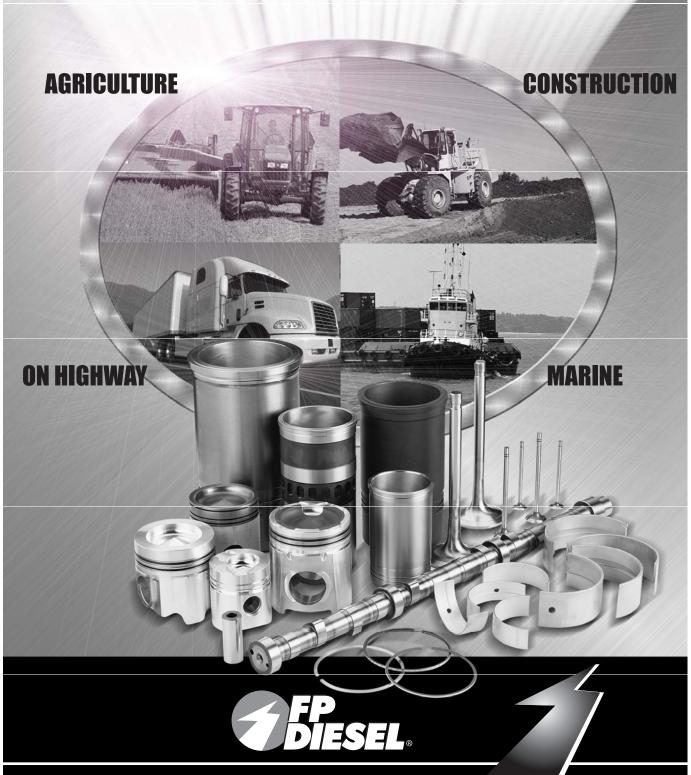


PROVENTS AND KITS PROVENTO THRIVE IN TODAY'S HARDEST WORKING ENGINES



ENGINE SYSTEMS



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HOW TO USE THIS CATALOG

The header for each block listed is designed to help you identify the correct engine application. Special information regarding a specific part is located to the far right of the part number listing. Also included for help in finding the correct parts are engine illustrations that contain reference numbers corresponding to the reference numbers located next to the part number listings.

Engine components are grouped in the following order:

1st. Cylinder Head and Parts2nd. Intake and Exhaust Manifolds

3rd. Camshaft Group4th. Fuel System and Parts

5th. Cooling System

6th. Engine Block and Parts

7th. Crankshaft/Oil Pump and Related Parts8th. Cylinder Components (incl. Rod Bearings, Cylinder Sleeves, Pistons, Piston Rings)

The catalog is sorted as follows:

1st. By ENGINE DISPLACEMENT

2nd. By BORE DIAMETER. Engines with the same displacement are sorted by bore diameter.

3rd. By INDUCTION SYSTEM. Naturally aspirated-engines will be listed before Turbocharged engines.

Many of the headers will include serial number listings to provide added assurance that the correct listing is being used.

GENERAL INFORMATION

This catalog is designed to identify the major components, assemblies and kits used in Komatsu engines.

The catalog includes all of the parts and kits available from FP Diesel for Komatsu construction, industrial and off-highway engines. For reference purposes, the illustrations and tables in this catalog may also include parts and assemblies not currently available from FP Diesel, so that you can identify other parts as needed.

The catalog is organized by engine model. Each section is subdivided into groups that coincide with the various engine assemblies and components.

FP Diesel uses a part numbering system similar to Komatsu's OEM number. In most instances, the FP Diesel part number is the same. For example:

Komatsu Part Number 6150-21-8050 FP Diesel Part Number FP-6150-21-8050

All manufacturers numbers, names, symbols and descriptions are used for reference purposes only. It is not-implied that any part listed is the product of-any specific manufacturer.

All information contained in this catalog is based on-the latest data available at the time of printing. Although care has been taken to ensure the accuracy of the data compiled in this catalog, Federal-Mogul does not assume liability for errors or omissions.

IMPORTANT NOTICE

This catalog does not replace the Komatsu parts catalogs or service materials. If in doubt, reference your Komatsu publications.





MANUFACTURING



Precise manufacturing and fabricating techniques, rigorous quality control procedures, utilization of the latest CAD technology and innovative solutions to-industry challenges – coupled with Federal-Mogul's global manufacturing capabilities – have established FP Diesel as the industry leader in the heavy duty market.

FP Diesel applies stringent quality control procedures with expertly skilled technicians supervising the manufacturing process in all phases to ensure that our parts will perform and last.

FP Diesel is a military approved supplier for the 53 Series Detroit Diesel engine. But the parts we supply for the 53 aren't the only ones that go through government testing. Every FP Diesel part must pass this high-level quality control. Plus, every part is tracked throughout the entire distribution process. And when it's approved, the quality control number is printed on the box label, just in case there's ever a problem.

CUSTOMER SERVICE

The sales representatives at FP Diesel are among the most experienced and knowledgeable in the industry, with hands-on heavy duty experience and in-depth knowledge of engine parts and-applications. With one call to your



representative you'll have answers to any product, technical, order processing, billing, warranty, pricing, order tracking or availability questions you may have. Customer service that goes the extra mile also means you not only get the parts you need, but expert assistance from a person who knows the heavy duty market.

Plus, our computerized inventory system allows us to ship your order promptly anywhere in the world, while our easy-to-use cataloging system makes ordering FP Diesel parts fast and simple. For the parts and information you need, count on FP Diesel to go the extra mile.



COVERAGE

The FP Diesel product offering is a comprehensive line of diesel and natural gas engine replacement parts that provides all the coverage necessary to meet your heavy duty engine rebuilding needs. FP Diesel also offers a full line of gaskets and elastomeric products. For more specific information, please refer to our full-line catalogs, which are engine and machine specific and follow OEM format. To ensure exact part number replacement, these catalogs reference OEM part numbers and features technical information relating to the specific engine being serviced.



PRODUCTS

Caterpillar

Our Caterpillar products cover 3200, 3300, 3400, 3500, D Series and G Series engines. This coverage extends from cylinder heads, fuel injection, cam and crankshafts, cylinder kits, valvetrain and eletrical to engine bearings, transmission, hydraulic gasket sets and more. Refer to FP Diesel catalog No. CA0010 (parts) and CA0020 (gaskets).

Cummins

For Cummins engines, FP Diesel provides coverage for V378, V504, V555, Small Vee Engines, V/VT 903, 855 Series, N14, L10, B Series, C Series, V/VT1710, N743 and K/KTA 18-, 38- and 50-liter engines, as well as components for Jacobs® brakes. Refer to FP Diesel catalog No. CA0030.

Detroit Diesel

FP Diesel offers the most complete coverage in the replacement parts industry for Detroit Diesel, with an extensive line of components and kits for the 8.2-liter, 53 Series, 60 Series, 71 Series, 92 Series and 149 Series engines. Refer to FP Diesel catalog No. CA0040 for 2-cycle engines or FP Diesel catalog No. CA0045 for 4-cycle engines.

John Deere

FP Diesel offers a broad range of in-frame and complete overhaul kits and related components for 300 Series, 400 Series, 500 Series and Powertech engines. Refer to FP Diesel catalog No. CA0080.

Komatsu

We offer extensive coverage for Komatsu S6D 155 and SA6D155 engines, as well as a full line of replacement parts for Komatsu machines using Cummins N743, KT/KTA 19-, 38- and 50-liter engines, and the Cummins 855. Refer to FP Diesel catalog No. CA0085.

Mack

FP Diesel has a broad line for Mack, early ENDT 675 and 676 engines, as well as parts for later EM6 with both two- and four-valve head configurations. Refer to FP Diesel catalog No. CA0060

International

International coverage extends from the 6.9 and 7.3 liter, DT-360 and DT-466 through the 9.0 liter engine. Refer to FP Diesel catalog No. CA0050. For agricultural applications, FP Diesel also services the DT-414 and DT-436 Case/I.H. engines. For industrial and agricultural applications, refer to FP Diesel catalog No. SP188.

Case

FP Diesel has a complete range of kits and components for the 188, 207, 301, 366, 451 and 504-Case engines along with the 4-390 & 4T-390, 6-590 & 6T-590, 6T-830 & 6TA-830, LTA 10 and NTA 855 B/C III Cummins engines. Refer to FP Diesel catalog No. CA0095.





ENGINE KITS

Our Engine Kit program allows you to select a kit tailored to the job at hand. Whether performing a complete overhaul, or in-frame repair, our engine kits contain all the necessary components to complete the job. This comprehensive program provides you-with the following:

- Concise application information
- One price look-up
- A full complement of oversizes and undersizes
- Master kits that include full gasket sets

Engine kits where available, are listed at the beginning of each block after the specific engine overview page.

How To Specify FP Diesel Engine Kits



FP Diesel engine kits have multiple components that are available for each-specific engine. For-example, the 6D155 Overhaul Kit is designed for you to-specify which liner kit, rod bearings and-main bearings are necessary based on the serial number. This eliminates the need for adding extra engine kit part numbers when all that is required is-to specify your serial number to the FP Diesel customer service representative in order to have us configure the Engine Kit to-your particular engine. This insures that you will receive the right parts every time. In cases where there can only be one set of parts to configure the engine kit, we have pre-configured the kit to include all the parts necessary to-insure you are receiving the correct kit for your application.





ENGINE BEARINGS

Engine Bearing Material Selection

When selecting engine bearings, most engine builders concentrate on getting the proper clearances and maintaining adequate oil pressure. Durability is expected from any bearing chosen, and the advantages of different bearing materials may not be considered. If engine operating conditions are considered and bearing materials chosen accordingly, the likelihood of engine longevity is greater. No single material can be correct for every application. Our engine bearings are equal to or better than the original equipment specifications for material and design. We also provide alternatives to address unique problems and special needs.

In heavy duty applications there are a number of materials that will do an excellent job. Each alloy has advantages in terms of resistance to corrosion, rate of wear and fatigue strength. The latter characteristic is critical in engines that operate under high loads, generate considerable heat and may be subjected to occasional detonation.

Bi-Metal Aluminum Alloys - Plated and Unplated

Diesel fuels, moisture, and engine "blow-by" introduce many contaminants into the crankcase. Aluminum engine bearing materials provide outstanding resistance to the corrosive effects of these substances, and are the product of choice for most current original equipment vehicle manufacturers. The modern bi-metal aluminum engine bearing contains silicon. As a result of using silicon, the alloy resists seizure and dramatically reduces or eliminates bearing wear. This contributes to today's extended engine life. Aluminum is often the best material for a daily driven vehicle. Adding an overplate to an aluminum engine bearing will further enhance embedability and conformability. Continued efforts to remove lead from our environment guarantee that aluminum will become the preferred engine bearing material for most applications.







ENGINE BEARINGS

Copper-Lead (Tri-Metal) Alloys



Tri-Metal engine bearings, such as-our H-14 and H-24 alloys, have excellent fatigue resistance, but are less resistant to corrosion damage than aluminum bearings. These bearing materials are accepted by engine builders worldwide, and are proven to be reliable in a-wide range of uses. While OE manufacturers are moving to aluminum for their needs, many rebuilders still specify the tri-metal bearings for older engines.

Babbitt

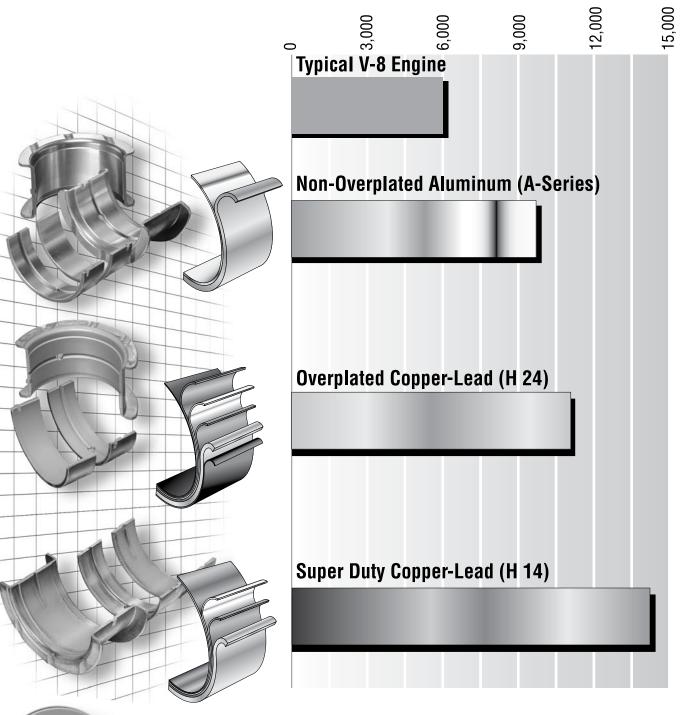


Frequently found in cam bearings, this alloy is also used in rod and main bearings for supercharged nitromethane or alcohol-fueled race engines which require high embedability and conformability. These engines require that the engine bearing be "sacrificial," deforming under the extreme loads and not damaging expensive racing crankshafts. Such race engines must receive frequent bearing inspection and replacement. Babbitt is not recommended material for rod or main bearings in engines expected to have a long service life.



BEARING MATERIALS - COMPARATIVE LOAD CAPACITY

Maximum Peak Load (PSI)

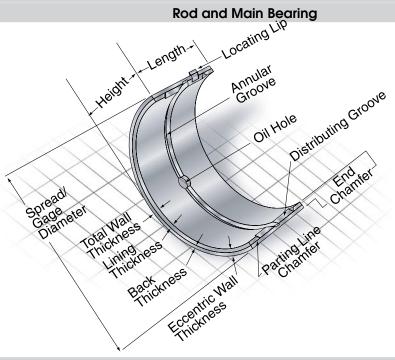




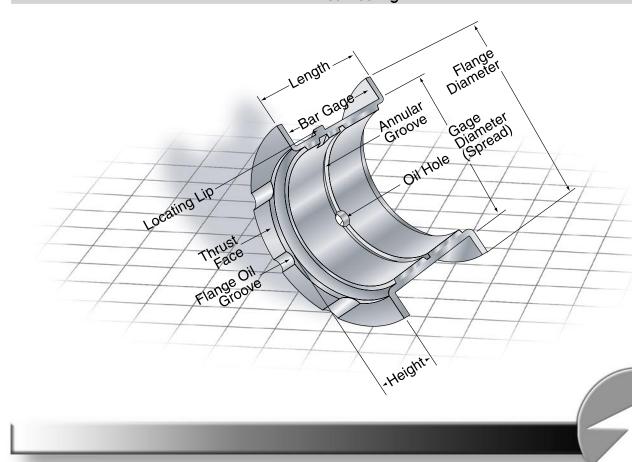


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ENGINE BEARING NOMENCLATURE



Thrust Bearing









SLEEVES AND ASSEMBLIES

Cylinder sleeves are produced in our own QS9000 registered facility complete with casting, induction hardening, machining, measurement and design capabilties. We start with raw castings produced on a state-of-the-art molding line specifically designed for the manufacture of static cast cylinder liners. The static castings produced by our foundry have a very consistent microstructure and superior scuffing resistance.

Certain applications are induction hardened or thru-hardened to enhance the wear characteristics and strength of the liner. Hardened liners are typically used in engines highly susceptible to dirt contamination, such as-construction or agricultural applications.

Machining is performed on modern CNC equipment to ensure dimensional stability and exacting tolerances. Cylinder liners are typically finish honed to generate a plateau finish. The plateau finish promotes rapid ring seating during break-in while providing a long-wearing sealing surface.

We offer sleeves for wet, dry and repair applications. Sleeve assemblies or kits include the sleeve, piston, piston pin and lock rings, piston rings and sealing rings.





ENGINE PRELUBE

The Ultimate Lubricant to Prevent Scuffing and Galling During Engine Break-in

Sealed Power Engine Prelube has been proven effective by more than 30 years of use on the assembly lines of U.S. car, truck and off-road engine manufacturers.

It is formulated especially for prelubrication of camshaft lobes and lifters (mechanical and hydraulic) prior to engine oil circulation. Also recommended for bearings, valve stems, rocker arms, push rod tips and other metal-to-metal contact areas within the engine.

Sealed Power Engine Prelube increases load-carrying capacity of the engine oil during "break-in" to prevent scuffing and galling. Special additives withstand the extreme pressures exerted on cams and lifters.

Holds fast to surfaces on which it is applied. Won't run off like engine oil, even after prolonged storage time.

Petroleum base is compatible with engine oil and will not affect its viscosity. Functions as an oil additive.

Unlike thick "grease type" assembly lubricants, Sealed Power Engine Prelube flows easily and spreads freely to provide excellent coverage of metal surfaces.

Recommended for passenger car, high performance, racing and heavy duty engines- both gasoline and diesel.



NEW Counter Display Pack!

Part Number Contents

55-400 (1) 4 oz. Squeeze Container

55-403 (50) 1.5 oz. Packets

PLASTIGAGE

Sealed Power PLASTIGAGE® - For High Performance Precision

A Quick and Accurate Method for Measuring Main and Connecting Rod Bearing Clearances.



Sealed Power Plastigage ends the guessing game when measuring clearances of main and connecting rod bearings. Specially formulated and oil soluble, Plastigage strips flatten precisely for accurate reading. Plastigage strips are available in four size ranges, packaged 12 to a carton, (enough to do 12 engines). Part number SPG-1 cartons contain strips in the .001-.003 inch range. Part number SPR-1 cartons hold strips in the .002-.006 inch range. SPB-1 cartons include strips in the .004-.009 inch range. SPY-1 cartons contain strips in the .009-.020 inch range. This complete range of sizes will fit every passenger car and heavy duty engine.

SPG-1	.001003 in.
SPR-1	.002006 in.
SPB-1	.004009 in.
SPY-1	.009020 in.





SPECIALTY TOOLS

Valve Guide Machining Tools



These tools machine the OD and faces the valve guide in one easy operation averaging 35 seconds per guide. Each tool can be used on a wide range of engines.

The tool number and seal number are the same. Example: MT-2001H is used with ST-2001.

Tool No.	Pilot Dia.	Machined Dia.
MT-2001H	.343	.562
MT-2005H	.312	.500
MT-2014H	.375	.500

MT-5 and MT-101 Ring Compressors



For fast and easy piston installation into the cylinder. Rugged two-band construction and ratchet release for easy handling.

MT-5: for pistons 3" to 5" diam.

Piston Ring Filer MT-135



Quick, efficient tool to properly grind ring end gaps. The only filer on the market that properly grinds the ring from outside to inside. Both sides of the gap are ground in one operation and are held parallel.

MT-135CR: Replacement Filer Blade





SPECIALTY TOOLS

MT-116 Ridge Reamer



Improved heavy duty tool remov es ridges from all modern engines with 3"-5" bore. Reversible cutter blade of high grade carbide works well in canted cylinders. It will not damage out-of-round cylinders; follows bore shape, will not overcut or chatter. Remove ridges completely. Reinforced, heat treated for long life.

MT-2 Ring Tool



An indispensable tool for installing rings on pistons without breakage or distortion. Can be used with rings from 2 1/2" to 6 1/4".

Caution: Do not expand piston rings more than necessary to install them on the piston.

MT-117 Ring Compressor Tool



Increase production. Increase profit. This is the fastest, most efficient ring tool on the market. Handles rings 1 7/8" to 5 7/8". Precision built of quality steel, this tool stands up to hard daily use.



ABREVIATIONS USED

ABBREVIATION	DESCRIPTION
&	
2WD	Two Wheel Drive
4WD	Four Wheel Drive
A.I.R	Air Injector Reactor
A/C	Air Conditioning
A/R	As Required
A/T	utomatic Transmission
ABS	Anti-lock Brake System
AC	Alternating Current
Acc	
Adj	Adjustable
Adv	
Aft	
Alt	
Alum	
Amp	Ampere
AOD	. Automatic Overarive
Appl	Application
Approx	Approximately
Asst	ASSIST
Assy	Assembly
ATV	
Auto	AUIOMAIIC
Aux	Auromane mansmission
Avail	Auxilial y
Avg	Average
AWD	All Wheel Drive
Bal.	Ralance
Batt	
Bbl	Barrel
Bbl. Carb.	Barrel Carburetor
Bef	
Brg	
Brkt	
C	
C.I	Cast Iron
C.R	Compression Ratio
C/L	Centerline
Calib	
Calif	California
Cam	
Can	Canada
Carb	
Cat	Catalytic
CC	Cubic Centimeter
CCW	
CD	ompression Distance
CFFI	Cross Fire injection
CFI	
CFMC	ubic feet per Minute
CIDCubic	
Cla	Cooling
Clg	
Clr	
Cntr. Bore	
Compl	Complete
Con. Rod	Connecting Rod
Cruise	Cruise Control
J. 3.33	

A DDDEV/LATION	DESCRIPTION
ABBREVIATION	DESCRIPTION
	Center
CW	Clockwise
Cyl	Cylinder Cylinder Head
Суі. на	Direct Current
Dea	Direct Carretti
DEI	Digital Fuel Injection
DI	Direct Injection
Dia	Diameter
Dim	
Dir. Inj	Direct Injection
	Discontinued
Dist	Distributor
DOHC	Dual Overhead Camshaft
Dr	
E.E.C	Electronic Engine Control Electronic Ignition System
E.I.J	Electronic ignilion system
FCC	Focentric
FCM	Eccentric . Electronic Computer Module
ECM	Electronic Control Module
ECM	Electronic Control ModuleEngine Control Module
Econ	Economy
ECS	Electronic Controlled Spark Electronic Fuel Injection
EFI	Electronic Fuel Injection
<u>Elec</u>	Électric
	Emission
Eng	Engine Equipment
Equip	Et Cetera
	Except
Exh	Exhaust
Exp	Export
Ext	Exterior
	External
<u> </u>	Fahrenheit
Fed	Federal
Flor	Fuel Injection Flexible
	Flange
Flyvr	Follower
Fra	Forged or Forging
Frt	Forged or Forging Front
FWD	Front Wheel Drive
Gal	Gallon
Gas	Gasoline
GPH	Gallons Per Hour
GPM	Gallons Per Minute
GrV(\$)	
GSKT	Gasket Gross Vehicle Weight
H/D	Heavy Duty
	Heavy Bary
HEI	High Energy Ignition
Hi	High





ABBREVIATIONS USED

ABBREVIATION	
Hi Alt	High Altitude
Hi-PerfHi-Temp	High Performance
Hi-Temp	High Temperature
HO	High Output
HO	Horizontal
HPHig	Horsepower
HSCHio	ıh Swirl Combustion
Hvd	Hvdraulic
Hyd	Intércooler
Í.D	Identification
ID	Inside Diameter
IDI	Indirect Injection
In. Frm	In Frame
in	Inch
Incl	Includes
Ind	Industrial
lni	Iniection
InjInt	Intake
Inter	Intermediate
L	Liter
L.H	Left Hand
I/D	Liaht Duty
Lath.	Lenath
LPGl	Liquid Propane Ğas
Lgth. LPG	Medium Duty
M/T	Manual Transmission
Man	Manual
Man. Trans N	/lanual Transmission
Max	Maximum
Mech	Mechanical
MFIMul	ti-Port Fuel Injection
Minmm	Minimum
mm	Millimeters
MPH	Miles Per Hour
Mtl	IVIGTERIAL
N/A	Not Paguited
N/R	Notural
Nat Nat. Asp.	Naturally Aspirated
Neg.	Naturally Aspirated
Neut	Noutral
No	Number
Nom	Nominal
Norm.	Normal
O.A.L	Overall Lenath
O F	Original Fauinment
O.E O/D	Overdrive
O/\$	
Obs	Obsolete
OD	Outside Diameter
OEMOriginal Equipi	ment Manufacturer
OHC	Overhead Cam
OHV	Overhead Valve
Opt	Optional
Orig.	Original
OZ	Ounce
P.T.O.	Power Take Off
P/S	Power Steering

ABBREVIATION Pass	DESCRIPTION
Pass	Passenger
Pc(s)	Piece(s)
PCVPositive Cra	nkcase Ventilation
Perf	Performance
Pkg	Package
Pos	Positive
Prem	Premium
Pri	Primary
PSI Pour	nd Per Sauare Inch
Pwr	Power
Qtr	Quarter
Qty	Quantity
R.B.P	Ring Below Piń
R.H	Riaht Hand
Ref	Reference
Reg	Regular
Reman	Remanufactured
Reg'd	Required
Rev	Revision
Rev. Rot	Reverse Rotation
RIrRMB	Roller
RMB	Rear Main Bearing
Rot	Rotation
RPMRevo	olutions Per Minute
Rr	Rear
RWD	. Rear Wheel Drive
\$/C	Supercharged
Seal. Rings	Sealing Rings
Ser	Serial or Series
Ser. No	Serial Number
SFI Seque SIv. SOHC Sing	ential Fuel Injection
SIV	Sleeve
SOHCSing	le Overneaa Cam
Spd Spec	Speed
Spec	Special
Sta	
Std	Stanaara
Sys	System
T/C	Turbochargea
TachThro	Idenomerer
Tomp	
TempTu	inad Port Injection
Trans	Transmission
Trk	Truck
TTY	Torque to Viold
TURBO	Turbocharged
U/S	Inder Size
\/ah	\/\/\/\/\/\/
VehVehicle Idei	ntification Number
VIVVerlicie idei	
VSS	Valve Stem Seal
w/	
w/o	\\/ithaiit
Wagon	Station Wagon
Wt	Weight





CONVERSION TABLES

Decimal Equivalents

		ecima L	-quivaic		
8THS.	16THS.	32NDS.	64THS.	DECIMALS	mm
		1,000	1/64	.015625	.396875
		1/32	3/64	.031250 .046875	.793750 1.190625
	1/16		0,01111	.062500 .078125	1.587500
		3/32	5/64	.078125	1.984375 2.381250
		0/02		.109375	2.778125
1/8				.125000 .140625	3.175000 3.571875
		1 5/32	1	.156250	3.968750
	0./1./	7/20	11/64	.171875	4.365625
	3/10		1	.187500 .203125	4.762500 5.159375
		1 //.3/		.218750	5.556250
1/4			15/64	.234375 .250000	5.953125 6.350000
1,4	1		17/64	.265625	6.746875
		9/32		.281250 .296875	7.143750 7.540625
	5/16		19/04	.312500	/.93/500
		11/20	21/64	.328125	8.334375
				.343750 .359375	8.731250 9.128125
3/8		11/02	26,6	.375000	9.525000
		13/32	25/64	.390625 .406250	9.921875 10.318750
		10,02	27/64	.421875	10.715625
	//16			.437500 .453125	11.112500 11.509375
		15/32	29/64 31/64	.468750	11.906250
1/2			31/64	.484375 .500000	12.303125
1/2	1		33/6/	.515625	13.096875
		17/32		.531250 .546875	13.493750 13.890625
	9/16	10/20	33/04	.562500	14.287500
		10/20	37/64	.578125	14.684375 15.081250
		19/32	37/64	.609375	15.478125
5/8		19/32	41/64	.625000 .640625	15.875000 16.271875
		21/32	43/64	.656250	16.668750
	11/16		43/64	.671875 .687500	17.065625 17.462500
	11/10		1 16161	.703125	17.859375
		23/32	47/64	.718750 .734375	18.256250 18.653125
3/4				.750000	19.050000
			49/64	.765625	19.446875 19.843750
		20/32	51/64	.781250 .796875	20.240625
	13/16	27/32		.812500	20.637500
		27/32		.828125 .843750	21.034375 21.431250
7.00			55/64	.8593/5	21.828125
7/8			57/64	.875000 .890625	22.225000 22.621875
		29/32		.890625 .906250	23.018750
	15/16		59/64	.921875 937500	23.415625 23.812500
		01/00	61/64	.937500 .953125	24.2093/5
		31/32	63/64	.968750 .984375	24.606250 25.003125
1	1			1.000000	25.003125

Inches to Millimeters

Millimeters to Inches

0.025mm 0.050mm 0.075mm 0.100mm 0.125mm 0.150mm 0.200mm 0.225mm 0.250mm 0.500mm 1.000mm 1.250mm 1.500mm	.000984 .001968 .002952 .003937 .004921 .005905 .006889 .007874 .008858 .009842 .019685 .029527 .039370 .049212 .059055 .068897
1.500mm	.059055

Conversion Formulae

28.349 gm./oz. 453.592 gm./lb.
16.387 cc/in.³ 61.024 in.³/L
3.785 L/U.S. gal. 4.546 L/Imp. gal. 0.264 U.S. gal./L 0.220 Imp. gal./L



The products listed in this catalog are warranted to be free from defects in material and workmanship, under normal use and service, for two years from the date of installation in an engine, without mileage or hour qualification.

WARRANTY LIMITATIONS

We agree to only pay for parts and labor needed to repair engine damages that result from the defined warranty failure. The costs are limited to parts and labor necessary for restoring the engine to its condition immediately prior to the failure. Labor costs are determined by current published rates and standards in the geographic area in which repairs are performed. Overtime or holiday rate charges are not allowed. We will also pay for maintenance products such as oil, antifreeze, belts, hoses and filter elements that are damaged because of a defined warranty failure.

We are not responsible for engine failure resulting from owner or operator neglect or abuse, improper installation or repair procedures, alteration or misapplication of parts, or use in engines modified for competition purposes.

This warranty and remedy apply to new FP Diesel engine parts from Federal-Mogul sold directly to our authorized aftermarket customers in the U.S. and Canada. Warranties such as merchantability or fitness for a particular purpose are excluded to the extent they exceed the warranty coverage described by this warranty statement. No agent or sales representative of Federal-Mogul Corporation has the authority to modify this warranty. Other Federal-Mogul parts may carry different warranties.

WARNING

Use parts only for applications and interchanges in this catalog. Failure to heed this warning could result in reduced life or failure of the part. All parts listed in this catalog are manufactured to the highest industry standards, but are not intended for use in space program, atomic energy/nuclear reactor equipment, medical, or aircraft applications.

AVERTISSEMENT

N'utiliser les pièces que pour les applications ou les remplacements de ce catalogue. Si vous négligez cet avertissement vous risquez de diminuer la durée de la piece ou de causer une panne. Toutes les pièces répertoriées dans ce catalogue sont fabriquées conformément aux plus hauts standards de l'industrie, mais elles ne sont pas concues pour être utilisées dans les programmes interplanétaires et spatiaux, les équipements de réacteur nucléaire ou d'énergie atomique, les applications aéronautiques ou medicales.

ADVERTENCIA

Use solamente los números de parte para la aplicación o intercambios indicados en este catálogo. La faita de atención a esta advertencia puede resultar en una vida reducida o en la falla del repuesto. Todas las partes listadas en este catálogo están fabricadas de acuerdo a los normas más atlas de la industria, sin embargo, no debem utilizarse en programas espaciales/interplanetarios, equipos de energia atómica/ reactores nucleares, equipos médicos o aplicaciones aeronáuticas.



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Plus PTC	Model WA450-3 Model Ser. No. 53001-Up 140 Model WA450-3 Avance Plus Model Ser. No. A31001-Up 139 Model WA450-3A-TW Model Ser. No. 53001-Up 140 Model WA450-3L Model Ser. No. 53001-Up 138 Model WA450-3LL Model Ser. No. 50305-Up 138 Model WA450-5L Model Ser. No. A36001-Up 141 Model WA450L-3 Model Ser. No. 53001-Up 140 Model WA470-1 Model Ser. No. 10001-Up 138 Model WA470-3 Model Ser. No. 53001-Up 138 Model WA470-3H Active Model Ser. No. 20942-Up 139 Model WA470-3X From Model Ser. No. 50001 to				
	138 138				



				2.7L 1	164 OHV L4, 3.7402" Bore	1
		4D0EC, Build Carina W 11	T. Fna C	or No 00010 Up.	Dozer	
		4D95S; Build Series W-1F	r, Eng. S F: Eng. S	er. No. 23318-Up;	Model D20P-6; Model Ser. No. 60001-Up Model D20P-6A; Model Ser. No. 60001-Up	
					Model D20PL-6; Model Ser. No. 60001-Up	
		4D95S; Build Series W-1F	F; Eng. S	er. No. 23318-Up;	Model D20PLL-6; Model Ser. No. 60001-Up	
					Model D20Q-6; Model Ser. No. 60001-Up	
					Model D20S-6; Model Ser. No. 60001-Up	
					Model D21A-6; Model Ser. No. 60001-Up Model D21E-6; Model Ser. No. 60001-Up	
					Model D21P-6; Model Ser. No. 60001-Up	
					Model D21P-6A; Model Ser. No. 60001-Up	
					Model D21P-6B; Model Ser. No. 60001-Up	
					Model D21PL-6; Model Ser. No. 60001-Up	
					Model D21S-6; Model Ser. No. 60001-Up	
		4D95S; Build Series W-10	ع; Eng. S	ser. No. 23318-Up;	Model D21S-6A; Model Ser. No. 60001-Up	
071/	CAMSHAFT GROUP	242740	0:==	DECODINE		
8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6204-41-2110	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1	O-Ring	FP-6140-11-6331				
1	Thermostat	FP-600-421-6120	0:==	DE005:22:5::		
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6204-61-1304	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1	Crankshaft	FP-6202-31-1100				
QTY 5	MAIN BEARINGS Main Bearing, Flanged	<i>PART NO.</i> FP-6204-21-8100	SIZE STD	DESCRIPTION		
5	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-29-8100	.25MM			
5	Main Bearing, Flanged	FP-6204-28-8100	.50MM			
5	Main Bearing, Flanged	FP-6204-27-8100	.75MM			
5 1	Main Bearing, Flanged Thrust Washer	FP-6204-26-8100 FP-6204-21-8600	1.00MM STD			
1	Thrust Washer	FP-6204-29-8600	.25MM			
1	Thrust Washer	FP-6204-28-8600	.50MM			
1 1	Thrust Washer Thrust Washer	FP-6204-27-8600 FP-6204-26-8600	.75MM 1.00MM			
	OIL PUMP			DESCRIPTION		
1	Oil Pump	<i>PART NO.</i> FP-6204-51-1201	SIZE	DESCRIPTION		
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6204-21-3510				
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6141-21-1332	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket	FP-6204-11-1830				
1 1	Head Gasket Set Valve Cover Gasket	FP-6202-K1-9901 FP-6204-11-8810				
	PUSH RODS	PART NO.	SIZE	DESCRIPTION		
8	Push Rod	FP-6204-41-3110				
	VALVE Valve Keeper	<i>PART NO.</i> FP-6204-41-4520	SIZE	DESCRIPTION Int. & Exh.		
16 4	Valve, Exhaust	FP-6204-41-4520 FP-6204-41-4210		IIII. OLEXII.		
4	Valve, Intake	FP-6207-41-4110				
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION		
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION		
8	Valve Stem Seal	FP-6204-41-4540				
	VALVE SEAT	PART NO.	SIZE			
4	Valve Seat	FP-6204-11-1440		Exh. Int.		
4	Valve Seat	FP-6207-11-1430		II IL.		



-	1 2.7L 164 OHV L4, 3.7402" Bore						
	CYL. HEAD & PARTS (cont.)						
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION			
8	Valve Spring	FP-6204-41-4410		Unana			
8	Valve Spring Seat	FP-6204-41-4510		Upper			
	CYLINDER COMPONENTS CONNECTING RODS &						
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION			
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-31-3300 FP-6207-39-3300	STD .25MM				
4	Connecting Rod Bearing Pair	FP-6207-38-3300	.50MM				
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-37-3300 FP-6207-36-3300	.75MM 1.00MM				
	LINERS	PART NO.		DESCRIPTION			
4	Cylinder Kit Complete	FP-LK322140	0.22	22001111 11011			
4	Liner w/o Sealing Ring	FP-6207-21-2121					
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6202-32-2300	SIZE	DESCRIPTION			
QTY 4	PISTONS Piston Body w/o Pin	PART NO.	SIZE	DESCRIPTION			
4	Piston Pin 2	FP-6202-32-2140 FP-6204-31-2410					
4 8	Piston Pin Bushing Piston Pin Retainer	FP-6204-31-3130 FP-04065-03012					
_	ENGINE BLOCK & PARTS	. 1 0-000-00012					
	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION			
2	Camshaft Bearing	FP-6206-21-1420					
1 0TV	Camshaft Bearing GASKET SETS	FP-6206-21-1430 PART NO.	SIZE	DESCRIPTION			
1	Conversion Gasket Set	FP-6202-K2-0901	SIZL	DESCRIP HON			
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant			
	INT & EXH MANIFOLDS						
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION			
1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6205-11-5810 FP-6136-11-4850					
2	2.7L 164 OHV L4, 3.7402" Bore Dozer 4D95S; Build Series 1H; Eng. Ser. No. 124813-Up; Model D20P-7A; From Model Ser. No. 75001 to 78603 4D95S; Build Series 1H; Eng. Ser. No. 124813-Up; Model D20PG-7A; From Model Ser. No. 75001 to 78603 4D95S; Build Series 1H; Eng. Ser. No. 124813-Up; Model D20PL-7; From Model Ser. No. 62001 to 62453 4D95S; Build Series 1J; Eng. Ser. No. 124813-Up; Model D21A-7; From Model Ser. No. 75001 to 78603 4D95S; Build Series 1J; Eng. Ser. No. 124813-Up; Model D21AG-7; From Model Ser. No. 75001 to 78603 4D95S; Build Series 1J; Eng. Ser. No. 124813-Up; Model D21PG-7A; From Model Ser. No. 75001 to 78603 4D95S; Build Series 1J; Eng. Ser. No. 124813-Up; Model D21QG-7; From Model Ser. No. 61001 to 61131 4D95S; Build Series 1J; Eng. Ser. No. 124813-Up; Model D21S-7; From Model Ser. No. 61001 to 61131						
	CAMSHAFT GROUP						
QTY 8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6204-41-2110	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION			
1	O-Ring Thermostat	FP-6140-11-6331 FP-600-421-6120					
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6204-61-1304	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP	5254 61 1004					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION			
0TV	Crankshaft MAIN BEARINGS	FP-6202-31-1100 PART NO.	SIZE	DESCRIPTION			
5	Main Bearing, Flanged	FP-6204-21-8100	STD	DESCRIPTION			
5 5	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-29-8100 FP-6204-28-8100	.25MM .50MM				
5	man bearing, Flangeu	1 F -UZU4-ZU-0 IUU	.JUIVIIVI				



				2.7L 164 OHV L4, 3.7402" Bore 2 (cont.)
	CRANKSHAFT/OIL PUMP (cont.)			` '
QTY	MAIN BEARINGS (cont.)	PART NO.	SIZE	DESCRIPTION
5	Main Bearing, Flanged	FP-6204-27-8100	.75MM	
5	Main Bearing, Flanged	FP-6204-26-8100	1.00MM	
1	Thrust Washer Thrust Washer	FP-6204-21-8600 FP-6204-29-8600	STD .25MM	
1	Thrust Washer	FP-6204-28-8600	.50MM	
1	Thrust Washer	FP-6204-27-8600	.75MM	
1	Thrust Washer	FP-6204-26-8600	1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6204-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6205-11-1830		
1	Head Gasket Set Valve Cover Gasket	FP-6202-K1-0900 FP-6204-11-8810		
-			0175	DESCRIPTION
8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 16	VALVE	<i>PART NO.</i> FP-6204-41-4520	SIZE	DESCRIPTION Int. & Exh.
4	Valve Keeper Valve, Exhaust	FP-6204-41-4520 FP-6204-41-4210		IIIL α EXII.
4	Valve, Intake	FP-6207-41-4110		
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
4	Valve Seat	FP-6204-11-1440		Exh.
4	Valve Seat	FP-6207-11-1430		Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
8	Valve Spring Valve Spring Seat	FP-6204-41-4410		Unnor
0	-	FP-6204-41-4510		Upper
	CYLINDER COMPONENTS CONNECTING RODS &			
ОТУ	BRGS.	PART NO.	SIZE	DESCRIPTION
4	Connecting Rod Bearing Pair	FP-6207-31-3300	STD	
4	Connecting Rod Bearing Pair	FP-6207-39-3300	.25MM	
4	Connecting Rod Bearing Pair	FP-6207-38-3300	.50MM	
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-37-3300 FP-6207-36-3300	.75MM 1.00MM	
	LINERS	PART NO.	SIZE	DESCRIPTION
4	Cylinder Kit Complete	FP-LK2160	SIZE	DESCRIF HON
4	Liner w/o Sealing Ring	FP-6207-21-2121		
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
4	Piston Body w/o Pin	FP-6202-33-2160		
4	Piston Pin	FP-6204-31-2410		
8	Piston Pin Bushing Piston Pin Retainer	FP-6204-31-3130 FP-04065-03012		
	ENGINE BLOCK & PARTS	1. 0.000 00012		
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
2	Camshaft Bearing Camshaft Bearing	FP-6206-21-1420 FP-6206-21-1430	-	-
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6202-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant



(coi	2 2.7L 164 OHV L4, 3.7402" Bore (cont.)							
	INT & EXH MANIFOLDS							
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION				
1	Exhaust Manifold Gasket	FP-6205-11-5810						
1	Intake Manifold Gasket	FP-6136-11-4850						

DESCRIPTION

DESCRIPTION

3 3.3L 199 OHV L4, 3.7402" Bore

Excavator

CAMSHAFT GROUP

CRANKSHAFT/OIL PUMP

CYL. HEAD & PARTS

4D95L; Build Series 1C; Eng. Ser. No. 10001-Up; Model PC60-3; Model Ser. No. 18001-Up 4D95L; Build Series 1G; Eng. Ser. No. 16084-Up; Model PW60-3; Model Ser. No. 2001-Up 4D95L; Build Series 1K; Eng. Ser. No. 15548-Up; Model PC60-5; Model Ser. No. 20501-Up 4D95L; Build Series 1K; Eng. Ser. No. 15548-Up; Model PC60L-5; Model Ser. No. 7501-Up 4D95L; Build Series 1K; Eng. Ser. No. 15548-Up; Model PC60U-5; Model Ser. No. 4501-Up 4D95L; Build Series 1L; Eng. Ser. No. 15941-Up; Model PC80-3; Model Ser. No. 2001-Up 4D95L; Build Series 1Z; Eng. Ser. No. 41633-Up; Model PC75UU-1; Model Ser. No. 1001-Up

YTÇ 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
YΤΩ	THERMOSTAT	PART NO.	SIZE	DESCRIPTION

	Thermostat	FP-6140-11-6331 FP-600-421-6110		
	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6204-61-1104	SIZE	DESCRIPTION

QTY	CRANKSHAFT	PART NO.	SIZE
1	Crankshaft	FP-6204-31-1201	
QTY	MAIN BEARINGS	PART NO.	SIZE
5	Main Bearing, Flanged	FP-6204-21-8100	STD
5	Main Bearing, Flanged	FP-6204-29-8100	.25MM
5	Main Bearing, Flanged	FP-6204-28-8100	.50MM
5	Main Bearing, Flanged	FP-6204-27-8100	.75MM
5	Main Bearing, Flanged	FP-6204-26-8100	1.00MM
1	Thrust Washer	FP-6204-21-8600	STD
1	Thrust Washer	FP-6204-29-8600	.25MM
1	Thrust Washer	FP-6204-28-8600	.50MM

1 1	Thrust Washer Thrust Washer	FP-6204-27-8600 FP-6204-26-8600	.75MM 1.00MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6204-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION

	'	Oli Seai	FF-0204-21-3310		
C		SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION

	QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
	1	Head Gasket	FP-6204-11-1830		
	1	Head Gasket Set	FP-6204-K1-9901		
	1	Valve Cover Gasket	FP-6204-11-8810		
ſ	QTY	PUSH RODS	PART NO.	SIZE	DESCRIPTION
	8	Push Rod	FP-6204-41-3110		
Ī	QTY	VALVE	PART NO.	SIZE	DESCRIPTION
	16	Valve Keeper	FP-6204-41-4520		Int. & Exh.
	4	Valve, Exhaust	FP-6204-41-4210		
	4	Malus Intelia	ED C007 44 4440		

8	Push Rod	FP-6204-41-3110		
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 4	VALVE SEAT Valve Seat	PART NO. FP-6204-11-1440	SIZE	DESCRIPTION Exh.
QTY 8	VALVE SPRING Valve Spring	PART NO. FP-6204-41-4431	SIZE	DESCRIPTION



				3.3L 199 OHV L4, 3.7402" Bore 3
	CYL. HEAD & PARTS (cont.)			(VIII)
QTY	VALVE SPRING (cont.)	PART NO.	SIZE	DESCRIPTION
8	Valve Spring Seat	FP-6204-41-4510		Upper
	CYLINDER COMPONENTS			
٦ΤV	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION
4	Connecting Rod Bearing Pair	FP-6207-31-3300	STD	DESCRIPTION
4	Connecting Rod Bearing Pair	FP-6207-39-3300	.25MM	
4 4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-38-3300 FP-6207-37-3300	.50MM .75MM	
4	Connecting Rod Bearing Pair	FP-6207-36-3300	1.00MM	
	LINERS	PART NO.	SIZE	DESCRIPTION
4 4	Cylinder Kit Complete Liner w/o Sealing Ring	FP-LK2121 FP-6207-21-2121		
YT	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
4	Ring Set, Single Cylinder	FP-6204-31-2203		
	PISTONS	PART NO.	SIZE	DESCRIPTION
4 4	Piston Body w/o Pin Piston Pin	FP-6204-31-2121 FP-6204-31-2410		
4	Piston Pin Bushing	FP-6204-31-3130		
8	Piston Pin Retainer	FP-04065-03012		
	ENGINE BLOCK & PARTS			
TY 2	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6206-21-1420	SIZE	DESCRIPTION
1	Camshaft Bearing	FP-6206-21-1430		
TY	GASKET SETS Conversion Gasket Set	PART NO. FP-6204-K2-0901	SIZE	DESCRIPTION
	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Chemicals	FP-1816593		Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
٠.	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6205-11-5810 FP-6136-11-4850		
				3.3L 199 OHV L4, 3.7402" Bore 4
		4D95L; Build Series 1A, 4D95L; Build Series 1A, 4D95L; Build Series 1B, 4D95L; Build Series 1B,	A; Eng. S A; Eng. S B; Eng. S B; Eng. S	. Ser. No. 49965-Up; Model PC70-6; Model Ser. No. 34101-Up Ser. No. 49965-Up; Model PC60-6; Model Ser. No. 28001-Up Ser. No. 49965-Up; Model PC60L-6; Model Ser. No. 8001-Up Ser. No. 49965-Up; Model PC60-6; Model Ser. No. 28001-Up Ser. No. 49965-Up; Model PC60L-6; Model Ser. No. 8001-Up
		4D95L; Build Series TO	C; Eng. (Ser. No. 49965-Up; Model PC90-1; Model Ser. No. 1001-Up
T) /	CAMSHAFT GROUP	DARTNO	0:7-	DECODINATION
YT! 8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
TY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6140-11-6331		
1	Thermostat Thermostat	FP-600-421-6110 FP-600-421-6120		From Eng. Ser. No. 49965 to 96074 Eng. Ser. No. 96075-Up
-	WATER PUMP	PART NO.	SIZE	·
	Water Pump - Heavy Duty	FP-6206-61-1104	JILL	2200m non
1				
1	CRANKSHAFT/OIL PUMP			
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
TY	CRANKSHAFT Crankshaft	FP-6204-31-1201		
TY 1	CRANKSHAFT Crankshaft MAIN BEARINGS	FP-6204-31-1201 PART NO.	SIZE	DESCRIPTION DESCRIPTION
TY 1	CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged	FP-6204-31-1201		
1 1 1 5 5 5	CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	FP-6204-31-1201 PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100	SIZE STD .25MM .50MM	
1 1 1 1 5 5	CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged Main Bearing, Flanged	FP-6204-31-1201 PART NO. FP-6204-21-8100 FP-6204-29-8100	SIZE STD .25MM	



(cor	,	2" Bore		
(001	CRANKSHAFT/OIL PUMP (cont.)			
QTY 1 1 1 1	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-29-8600 FP-6204-28-8600 FP-6204-27-8600 FP-6204-26-8600	SIZE .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6204-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6204-11-1830 FP-6204-K1-0901 FP-6204-11-8810	SIZE	DESCRIPTION
QTY 8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 4	VALVE SEAT Valve Seat	PART NO. FP-6204-11-1440	SIZE	DESCRIPTION Exh.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION
0	CYLINDER COMPONENTS	FF-0204-41-4310		Upper
	CONNECTING RODS &			
4 4 4 4 4	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK332140 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION
QTY 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6206-33-2140 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
2	CAM BEARINGS Camshaft Bearing	PART NO. FP-6206-21-1420	SIZE	DESCRIPTION
QTY	Camshaft Bearing GASKET SETS	FP-6206-21-1430 PART NO.	SIZE	DESCRIPTION
1 QTY 1	Conversion Gasket Set GASKETS Chemicals	FP-6204-K2-9901 PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			o. pa., mr oodan
QTY 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6205-11-5810	SIZE	DESCRIPTION
	i		od on nov	



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				3.3L 1	199 OHV L4, 3.7402" Bore	4 (cont.
	INT & EXH MANIFOLDS (cont.)					
	INT. & EXH. MANIFOLDS (cont.) Intake Manifold Gasket	PART NO. FP-6136-11-4850	SIZE	DESCRIPTION		
				3.3L 1	199 OHV L4, 3.7402" Bore	_
		4D95L; Build Series 1BW 4D95L; Build Series 1FF 4D95L; Build Series 1GG 4D95L; Build Series 1GG 4D95L; Build Series 1W;	I; Eng. S ; Eng. Se à; Eng. S à; Eng. S Eng. Se	er. No. 131803-Up; rr. No. 131803-Up; er. No. 131803-Up; er. No. 131803-Up; r. No. 131803-Up; No. 13180-Up; No. 13	; Model PC60-7; Model Ser. No. 45001-Up; Model PC60-7B; Model Ser. No. 45001-Up Model PC75UU-2; Model Ser. No. 5001-Up; Model PC60-7; Model Ser. No. 45001-Up; Model PC60-7B; Model Ser. No. 45001-Up	
	CAMSHAFT GROUP					
QTY 8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6204-41-2110	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6120	SIZE	DESCRIPTION		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6204-31-1201	SIZE	DESCRIPTION		
QTY 5 5 5 5 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100 FP-6204-26-8100 FP-6204-21-8600 FP-6204-29-8600 FP-6204-28-8600 FP-6204-27-8600 FP-6204-27-8600 FP-6204-26-8600	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6204-51-1201	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION		
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6204-11-1830 FP-6204-K1-0901 FP-6204-11-8810	SIZE	DESCRIPTION		
QTY 8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION		
16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.		
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION		
QTY 8	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6204-41-4540	SIZE	DESCRIPTION		
OTV.	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
4	Valve Seat VALVE SPRING	FP-6204-11-1440		Exh.		



_	5 3.3L 199 OHV L4, 3.7402" Bore							
	CYL. HEAD & PARTS (cont.)							
	VALVE SPRING (cont.)	PART NO.	SIZE	DESCRIPTION				
8	Valve Spring Seat	FP-6204-41-4510		Upper				
	CYLINDER COMPONENTS							
	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION				
4	Connecting Rod Bearing Pair	FP-6207-31-3300	STD	DESCRIP HON				
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-39-3300 FP-6207-38-3300	.25MM .50MM					
4	Connecting Rod Bearing Pair	FP-6207-37-3300	.75MM					
4	Connecting Rod Bearing Pair		1.00MM					
QTY 4	LINERS Cylinder Kit Complete	<i>PART NO.</i> FP-LK332141	SIZE	DESCRIPTION				
4	Liner w/o Sealing Ring	FP-6207-21-2121						
QTY 4	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-6204-31-2203	SIZE	DESCRIPTION				
	PISTONS	PART NO.	SIZE	DESCRIPTION				
4	Piston Body w/o Pin Piston Pin	FP-6206-33-2141 FP-6204-31-2410						
4	Piston Pin Bushing Piston Pin Retainer	FP-6204-31-3130						
8		FP-04065-03012						
	ENGINE BLOCK & PARTS CAM BEARINGS	PART NO.	CIZE	DESCRIPTION				
2	Cam BEARINGS Camshaft Bearing	FP-6206-21-1420	SIZE	DESCRIF HON				
1	Camshaft Bearing	FP-6206-21-1430						
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6204-K2-0901	SIZE	DESCRIPTION				
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant				
	INT & EXH MANIFOLDS	11 1010000		on pan, TTV occurre				
ļ	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION				
1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6205-11-5810 FP-6136-11-4850						
6	3.3L 199 OHV L4, 3.7402 Excavator 4D95LE; Build Series 2A; Eng. Ser. No. 1 4D95LE; Build Series 2A; Eng. Ser. No. 1 4D95LE; Build Series 2B; Eng. Ser. No. 1 4D95LE; Build Series 2B; Eng. Ser. No. 1 4D95LE; Build Series 2B; Eng. Ser. No. 1 4D95LE; Build Series 2C; Eng. Ser. No. 1	00005-Up; Model PC60 00005-Up; Model PC60 00005-Up; Model PC75 00005-Up; Model PC78 00005-Up; Model PC78	1-7B; Moo UU-3; M US-5-NA US-5; M	del Ser. No. 45001-Up lodel Ser. No. 15001-Up A; Model Ser. No. 1001-Up odel Ser. No. 1001-Up				
	CAMSHAFT GROUP							
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION				
	COOLING SYSTEM							
QTY	THERMOSTAT	PART NO. FP-6140-11-6331	SIZE	DESCRIPTION				
1	O-Ring Thermostat	FP-6140-11-6331 FP-600-421-6120						
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6205-61-1204	SIZE	DESCRIPTION				
	CRANKSHAFT/OIL PUMP							
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6204-31-1201	SIZE	DESCRIPTION				
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION				
5 5	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-21-8100 FP-6204-29-8100	STD .25MM					
5	Main Bearing, Flanged	FP-6204-28-8100	.50MM					
5 5	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-27-8100 FP-6204-26-8100	.75MM 1.00MM					
1	Thrust Washer	FP-6204-21-8600	STD					
1	Thrust Washer	FP-6204-29-8600	.25MM					



				3.3L 199 OHV L4, 3.7402" Bore 6 (cont.)
	CRANKSHAFT/OIL PUMP (cont.)			, ,
QTY 1 1 1	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-28-8600 FP-6204-27-8600 FP-6204-26-8600	SIZE .50MM .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6204-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6204-11-1830 FP-6204-K1-0901 FP-6204-11-8810	SIZE	DESCRIPTION
QTY 8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 4	VALVE SEAT Valve Seat	PART NO. FP-6204-11-1440	SIZE	DESCRIPTION Exh.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
QTY 4 4 4 4 4	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK312141 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6205-31-2200	SIZE	DESCRIPTION
QTY 4 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6204-31-2141 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 2 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6204-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6205-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION



7 3.3L 199 OHV L4, 3.7402" Bore

Excavator

S4D95L; Build Series 1A; Eng. Ser. No. 48797-Up; Model PC100-5; Model Ser. No. 28001-Up S4D95L; Build Series 1A; Eng. Ser. No. 48797-Up; Model PC100-5C; Model Ser. No. 28001-Up S4D95L; Build Series 1B; Eng. Ser. No. 48811-Up; Model PC120-5; Model Ser. No. 30001-Up S4D95L; Build Series 1B; Eng. Ser. No. 48811-Up; Model PC120-5; Model Ser. No. A40001-Up S4D95L; Build Series 1B; Eng. Ser. No. 48811-Up; Model PC130-5; Model Ser. No. 36601-Up S4D95L; Build Series 1G; Eng. Ser. No. 102350-Up; Model PC120-5C; Model Ser. No. 36601-Up S4D95L; Build Series 1G; Eng. Ser. No. 102350-Up; Model PC120-5M; Model Ser. No. 36601-Up S4D95L; Build Series 1G; Eng. Ser. No. 48811-Up; Model PC120-57; Model Ser. No. 36601-Up S4D95L; Build Series 1G; Eng. Ser. No. 48811-Up; Model PC120-57; Model Ser. No. 36601-Up

	S4D95L; Build Series 1G; Eng. Ser. No. 4	48811-Up; Model PC12	20-5Z; Mo	del Ser. No. 36601-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6205-31-1201	SIZE	DESCRIPTION
QTY 5 5 5 5 5 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-26-8100 FP-6204-21-8600 FP-6204-29-8600 FP-6204-28-8600 FP-6204-27-8600 FP-6204-26-8600	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6204-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6204-11-1830 FP-6205-K1-2104 FP-6204-11-8810	SIZE	DESCRIPTION
QTY 8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6209-41-4210 FP-6209-41-4110	SIZE STD	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 4	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6207-11-1440 FP-6209-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300	SIZE STD	DESCRIPTION



				3.3L 199 OHV L4, 3.7402" Bore 7
	CYLINDER COMPONENTS	(cont.)		(cont.)
		(cont.)		
QTY 4 4 4 4	CONNECTING RODS & BRGS. (cont.) Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	<i>PART NO.</i> FP-LK72141 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-6207-31-2501	SIZE	DESCRIPTION
QTY 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6207-31-2141 FP-6207-31-2420 FP-6207-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 2 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6205-K2-2104	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 1 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6205-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
1				3.3L 199 OHV L4. 3.7402" Bore 8
		S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E	ng. Ser. M ng. Ser. M ng. Ser. M ng. Ser. M ng. Ser. M	3.3L 199 OHV L4, 3.7402" Bore Excavator No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PW130-6K; Model Ser. No. K30001-Up
	CAMSHAFT GROUP	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E	ng. Ser. M ng. Ser. M ng. Ser. M ng. Ser. M ng. Ser. M	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up
QTY 8	CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E	ng. Ser. Mag. Mag. Mag. Mag. Mag. Mag. Mag. Mag	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up
	CAMSHAFT/LIFTER	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1M; E	ng. Ser. Mag. Mag. Mag. Mag. Mag. Mag. Mag. Mag	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. K30001-Up No. 135080-Up; Model PW130-6K; Model Ser. No. K30001-Up
8	CAMSHAFT/LIFTER Lifter	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1M; E	ng. Ser. N ng. Ser. N ng. Ser. N ng. Ser. N ng. Ser. N ng. Ser. SIZE	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. K30001-Up No. 135080-Up; Model PW130-6K; Model Ser. No. K30001-Up
8 QTY 1 1	CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1M; E PART NO. FP-6204-41-2110	ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 SIZE	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PW130-6K; Model Ser. No. K30001-Up DESCRIPTION
8 QTY 1 1 QTY	CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1M; E PART NO. FP-6204-41-2110 PART NO. FP-6140-11-6331 FP-600-421-6110 PART NO.	ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 ng. Ser. 1 SIZE	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PW130-6K; Model Ser. No. K30001-Up DESCRIPTION DESCRIPTION
8 QTY 1 1 QTY 1	CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1M; E PART NO. FP-6204-41-2110 PART NO. FP-6140-11-6331 FP-600-421-6110 PART NO.	g. Ser. 1 ng. Ser. 1 size	No. 135080-Up; Model PC100-6; Model Ser. No. 40001-Up No. 135080-Up; Model PC100-6Z; Model Ser. No. 40001-Up No. 135080-Up; Model PC100L-6; Model Ser. No. 15001-Up No. 135080-Up; Model PC120-6; Model Ser. No. 45001-Up No. 135080-Up; Model PC120-6Z; Model Ser. No. 45001-Up No. 135080-Up; Model PC130-6; Model Ser. No. 45001-Up No. 135080-Up; Model PW130-6K; Model Ser. No. K30001-Up DESCRIPTION DESCRIPTION
8 QTY 1 1 QTY 1 QTY 1	CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT	S4D95L; Build Series 1J; EI S4D95L; Build Series 1J; EI S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1K; E S4D95L; Build Series 1M; E S4D95L; Build Series 1M; E PART NO. FP-6204-41-2110 PART NO. FP-6140-11-6331 FP-600-421-6110 PART NO. FP-6206-61-1104 PART NO.	g. Ser. 1 ng. Ser. 1 size	Excavator



(cor		" Bore		
	CRANKSHAFT/OIL PUMP (cont.)			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6207-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6204-11-1830 FP-6205-K1-2104 FP-6204-11-8810	SIZE	DESCRIPTION
QTY 8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6209-41-4210 FP-6209-41-4110	SIZE STD	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 4	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6207-11-1440 FP-6209-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3600 FP-6207-39-3600 FP-6207-38-3600 FP-6207-37-3600 FP-6207-36-3600	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK72121 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6207-31-2501	SIZE	DESCRIPTION
QTY 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6207-31-2121 FP-6207-31-2420 FP-6207-31-3530 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 2 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6205-K2-2104	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6205-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION



3.3L 199 OHV L4, 3.7402" Bore

Excavator

S4D95LE; Build Series 3A-2; Eng. Ser. No. 100001-Up; Model PC78MR-6-N; Model Ser. No. 1001-Up S4D95LE; Build Series 3A-2; Eng. Ser. No. 100001-Up; Model PC78US-6-N; Model Ser. No. 4001-Up

	S4D95l	LE; Build Series 3A-2; I	Eng. Ser.	No. 100001-Up; Model PC78US-6-N; Model Ser. No. 4001-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1	THERMOSTAT O-Ring	PART NO. FP-6140-11-6331	SIZE	DESCRIPTION
1	Thermostat	FP-600-421-6110		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6205-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6204-31-1201	SIZE	DESCRIPTION
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
5 5	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-21-8100 FP-6204-29-8100	STD .25MM	
5	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-28-8100	.50MM	
5	Main Bearing, Flanged	FP-6204-27-8100	.75MM	
5	Main Bearing, Flanged	FP-6204-26-8100	1.00MM	
1	Thrust Washer	FP-6204-21-8600	STD	
1	Thrust Washer Thrust Washer	FP-6204-29-8600	.25MM	
1	Thrust Washer Thrust Washer	FP-6204-28-8600 FP-6204-27-8600	.50MM .75MM	
Ιi	Thrust Washer	FP-6204-26-8600	1.00MM	
	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6207-51-1201	SIZL	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6204-11-1830		
1	Head Gasket Set	FP-6204-K1-0901		
1	Valve Cover Gasket	FP-6204-11-8810		
8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
	VALVE	PART NO.	SIZE	
16	Valve Keeper	FP-6204-41-4520		Int. & Exh.
4	Valve, Exhaust	FP-6204-41-4210		
4	Valve, Intake	FP-6207-41-4110		
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 4	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4541	SIZE	DESCRIPTION
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
8	Valve Spring Valve Spring Seat	FP-6204-41-4410 FP-6204-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
	BRGS.	PART NO.	SIZE	DESCRIPTION
4	Connecting Rod Bearing Pair	FP-6207-31-3600	STD	
4	Connecting Rod Bearing Pair	FP-6207-39-3600	.25MM	
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-38-3600 FP-6207-37-3600	.50MM .75MM	
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-36-3600 FP-6207-36-3600	.75MM 1.00MM	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION
4	Cylinder Kit Complete	FP-LK2190	- -	
4	Liner w/o Sealing Ring	FP-6207-21-2121		
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
4	Ring Set, Single Cylinder	FP-6207-31-2300		



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	9 3.3L 199 OHV L4, 3.7402" Bore					
	CYLINDER COMPONENTS (cont	.)				
	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6205-31-2190 FP-6204-31-2410 FP-6207-31-3530 FP-04065-03012	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 2 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6204-K2-0901	SIZE	DESCRIPTION		
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant		
	INT & EXH MANIFOLDS					
QTY 1 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6205-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		
10	Wheel Loader 4D95L; Build Series W-1A; Eng. Ser. No. 10001-Up; Model WA40-1; Model Ser. No. 1001-Up 4D95L; Build Series W-1B; Eng. Ser. No. 11437-Up; Model WA70-1; Model Ser. No. 10001-Up 4D95L; Build Series W-1E; Eng. Ser. No. 11437-Up; Model WA70-1; Model Ser. No. 10001-Up					
	CAMSHAFT GROUP					
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6204-61-1104	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6204-31-1201	SIZE	DESCRIPTION		
	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100 FP-6204-21-8600 FP-6204-29-8600 FP-6204-28-8600 FP-6204-27-8600 FP-6204-27-8600 FP-6204-26-8600	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6204-51-1201	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION		
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6204-11-1830 FP-6204-K1-9901 FP-6204-11-8810	SIZE	DESCRIPTION		
QTY 8	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION		



				3.3L 199	OHV L4, 3.7402"	Bore	10
	CVI HEAD & DADTO	(cont.)					(cont.)
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.			
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION			
	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION			
QTY 4	VALVE SEAT Valve Seat	PART NO. FP-6204-11-1440	SIZE	DESCRIPTION Exh.			
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION Upper			
	CYLINDER COMPON	IENTS					
QTY 4 4 4 4 4	CONNECTING RODS & BRGS. Connecting Rod Bearing F	Pair FP-6207-39-3300 Pair FP-6207-38-3300 Pair FP-6207-37-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION			
QTY 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK2161 FP-6207-21-2121	SIZE	DESCRIPTION			
-	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6202-32-2202	SIZE	DESCRIPTION			
QTY 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6204-32-2161 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION			
	ENGINE BLOCK & PA	ARTS					
QTY 2 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	<i>PART NO.</i> FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6204-K2-0901	SIZE	DESCRIPTION			
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealar	nt		
	INT & EXH MANIFOL						
QTY 1 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6205-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION			
				3.9L 239	OHV L4, 4.0197"		11
		S4D102E; Build Series 1J; Eng. Ser. S4D102E;	No. 26200 No. 26200	0163-Up; Model D38P- 0163-Up; Model D39E-	1; From Model Ser. No. 85501 1; From Model Ser. No. 95501	to 85798 to 95871	
	CAMSHAFT GROUP						
QTY 8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6735-61-1690	SIZE	DESCRIPTION			
	WATER PUMP Water Pump - Heavy Duty	PART NO.	SIZE	DESCRIPTION			
		(continue					



1 (cor	- ,	7" Bore		
(0.00	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6732-31-1100	0175	DECODINATION
1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6732-29-8110	SIZE STD	DESCRIPTION
1	Main Bearing Set	FP-6732-28-8100	.25MM	
1	Main Bearing Set	FP-6732-27-8100	.50MM	
1 1	Main Bearing Set Main Bearing Set	FP-6732-26-8100 FP-6732-25-8100	.75MM 1.00MM	
i i	Thrust Washer	FP-6731-21-8610	.50MM	
1	Thrust Washer	FP-6736-28-8700	1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1112	SIZE	DESCRIPTION
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6731-21-4220		
1 OTV	Oil Seal Kit SEALS - REAR CRANK	FP-6736-39-1221	SIZE	DESCRIPTION
1	Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION
1	Oil Seal	FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			
	GASKETS	PART NO.	SIZE	DESCRIPTION
1 1	Head Gasket Head Gasket Set	FP-6732-11-1151 FP-6731-11-9990		
4	Valve Cover Gasket	FP-6732-11-8181		
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
16	Valve Keeper	FP-6732-41-4520		Int. & Exh.
4	Valve, Exhaust Valve, Intake	FP-6736-41-4210 FP-6736-41-4110		
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
8	Valve Guide	FP-6736-18-1310	OILL	Int. & Exh.; Thin wall
4	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
4	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
	VALVE SEAT	PART NO.	SIZE	
4	Valve Seat Valve Seat	FP-6732-11-1170 FP-6732-11-1180		Exh. Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
8	Valve Spring	FP-6732-41-4430	SIZL	DESCRIPTION
8	Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &	DARTNO	0175	DESCRIPTION
8	BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411	SIZE	DESCRIPTION
8	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM	
8	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM	
8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-37-3400 FP-6736-36-3400	.75MM 1.00MM	
	LINERS	PART NO.		DESCRIPTION
4	Liner w/o Sealing Ring	FP-6736-29-2110	0	
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6735-31-2040	SIZE	DESCRIPTION
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
4	Piston Kit w/Pin & Retainers	FP-6735-31-2070		
4	Piston Pin Piston Pin Bushing	FP-6736-31-2430 FP-6732-31-3131		
8	Piston Pin Retainer	FP-6736-31-2510		
	ENGINE BLOCK & PARTS			
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Camshaft Bearing	FP-6736-29-1410		1; O/S
4	Camshaft Bearing Camshaft Bearing	FP-6736-29-1420 FP-6732-21-1410	STD	2-3-4-5; O/S Narrow
<u> </u>			<u> </u>	



				3.9L 239 OHV L4, 4.0197" Bore 11
	ENGINE BLOCK & PARTS	(cont.)		(00
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	FUEL SYSTEM & PARTS			
QTY 4 4	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6736-11-3100 FP-6731-11-3150	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION
				3.9L 239 OHV L4, 4.0197" Bore 12
		S4D102E; Build Series 1J; S4D102E; Build Series 1J;	Eng. Ser. Eng. Ser.	No. 26200163-Up; Model D32E-1; Model Ser. No. 75718-Up No. 26200163-Up; Model D32E-1A; Model Ser. No. 76093-Up No. 26200163-Up; Model D32P-1; Model Ser. No. 75718-Up No. 26200163-Up; Model D32P-1A; Model Ser. No. 76093-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6735-61-1690	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100		DESCRIPTION
QTY 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1112	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	<i>PART NO.</i> FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8 4	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM



12 (con	2 3.9L 239 OHV L4, 4.0197	7" Bore		
	CYL. HEAD & PARTS (cont.)			
QTY 4	VALVE GUIDE (cont.) Valve Guide	PART NO. FP-6736-19-1410	SIZE	DESCRIPTION Exh.; Thick wall, 51.75MM
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS	11 0702 41 4010		орро-
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION
	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6731-31-2290	SIZE	DESCRIPTION
QTY 4 4 4 8	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6731-31-2190 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 4 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1411		DESCRIPTION 1; O/S 2-3-4-5; O/S Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	FUEL SYSTEM & PARTS			
QTY 4 4	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6731-11-3160 FP-6735-11-3160	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION
13	3.9L 239 OHV L4, 4.0197 <i>Dozer</i> S4D102E; Build Series 1J; Eng. Ser. No. S4D102E; Build Series 1J; Eng. Ser. No.	26200163-Up; Model [
<u> </u>	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6735-61-1690	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202		DESCRIPTION
		(continue		



3.9L 239 OHV L4, 4.0197" Bore	13
	(cont.)

CRANKSHAFT/OIL PUMP	
1 Crankshaft	
Main Bearing Set	
OTY OIL PUMP PART NO. SIZE DESCRIPTION	
OTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION 1	
1 Oil Seal FP-6736-X2-3001 FP-6736-39-1130 Wet housing Dry housing	
QTY GASKETS	
Head Gasket	
16 Valve Keeper FP-6732-41-4520 Int. & Exh. 4 Valve, Exhaust FP-6736-41-4210 Int. & Exh. 4 Valve, Intake FP-6736-41-4110 Int. & Exh. QTY VALVE GUIDE PART NO. SIZE DESCRIPTION 8 Valve Guide FP-6736-19-1310 Int. & Exh.; Thin wall 4 Valve Guide FP-6736-19-1410 Exh.; Thick wall, 60.50MM 4 Valve Guide FP-6736-19-1410 Exh.; Thick wall, 51.75MM QTY VALVE SEAL PART NO. SIZE DESCRIPTION 8 Valve Stem Seal FP-6732-41-4540 Int. & Exh. QTY VALVE SEAT PART NO. SIZE DESCRIPTION 4 Valve Seat FP-6732-11-1170 Exh. 4 Valve Seat FP-6732-11-1180 Int. QTY VALVE SPRING PART NO. SIZE DESCRIPTION 8 Valve Spring FP-6732-41-4430 SIZE DESCRIPTION	
8 Valve Guide FP-6736-18-1310 Int. & Exh.; Thin wall 4 Valve Guide FP-6736-19-1310 Int.; Thick wall, 60.50MM 4 Valve Guide FP-6736-19-1410 Exh.; Thick wall, 51.75MM QTY VALVE SEAL PART NO. SIZE DESCRIPTION 8 Valve Stem Seal FP-6732-41-4540 Int. & Exh. QTY VALVE SEAT PART NO. SIZE DESCRIPTION 4 Valve Seat FP-6732-11-1170 Exh. Int. 4 Valve SPRING PART NO. SIZE DESCRIPTION 8 Valve Spring FP-6732-41-4430 SIZE DESCRIPTION	
8 Valve Stem Seal FP-6732-41-4540 Int. & Exh. QTY VALVE SEAT PART NO. SIZE DESCRIPTION 4 Valve Seat FP-6732-11-1170 Exh. 4 Valve Seat FP-6732-11-1180 Int. QTY VALVE SPRING PART NO. SIZE DESCRIPTION 8 Valve Spring FP-6732-41-4430 DESCRIPTION	
4 Valve Seat FP-6732-11-1170 Exh. 4 Valve Seat FP-6732-11-1180 Int. QTY VALVE SPRING PART NO. SIZE DESCRIPTION 8 Valve Spring FP-6732-41-4430	
8 Valve Spring FP-6732-41-4430	
8 Valve Spring Seat FP-6732-41-4510 Upper	
CYLINDER COMPONENTS	
CONNECTING RODS & PART NO. SIZE DESCRIPTION	
QTY LINERS PART NO. SIZE DESCRIPTION 4 Liner w/o Sealing Ring FP-6736-29-2110	
QTY PISTON RINGS PART NO. SIZE DESCRIPTION 4 Ring Set, Single Cylinder FP-6735-31-2040	
QTY PISTONS PART NO. SIZE DESCRIPTION 4 Piston Kit w/Pin & Retainers FP-6735-31-2070 4 Piston Pin FP-6736-31-2430 4 Piston Pin Bushing FP-6732-31-3131 8 Piston Pin Retainer FP-6736-31-2510	
ENGINE BLOCK & PARTS	
QTY CAM BEARINGS PART NO. SIZE DESCRIPTION 1 Camshaft Bearing FP-6736-29-1410 1; O/S 4 Camshaft Bearing FP-6736-29-1420 2-3-4-5; O/S 1 Camshaft Bearing FP-6732-21-1410 STD Narrow	



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13	•	197" Bore		
(cor	nt.)			
	ENGINE BLOCK & PARTS (cont.)		
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6732-01-1140	SIZE	DESCRIPTION
	GASKETS Chamicala	PART NO.	SIZE	DESCRIPTION Oil page BTV Seelant
1	Chemicals	FP-1816593		Oil pan; RTV Sealant
	FUEL SYSTEM & PARTS FUEL INJECTION	DARTHO	0175	DECORIDEION
4	Fuel Injector - New	<i>PART NO.</i> FP-6731-11-3360	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
4	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810		
1		FP-6733-11-4861		
	S4D102E; Build Series 1J; Eng. Se S4D102E; Build Series 1J; Eng. Se S4D102E; Build Series 1J; Eng. Se	r. No. 26200163-Up; Model C r. No. 26200163-Up; Model C r. No. 26200163-Up; Model C	031P-20A 037E-5; N	lodel Ser. No. 1606-Up & A1924-Up
	CAMSHAFT GROUP			
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
8	Lifter	FP-6732-41-2112		
	COOLING SYSTEM	DARTNO	CIZE	DECODINATION
QIY 1	THERMOSTAT O-Ring	<i>PART NO.</i> FP-6732-61-6240	SIZE	DESCRIPTION
1	Thermostat	FP-6732-61-1620		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION
	MAIN BEARINGS	<i>PART NO.</i> FP-6732-29-8110	SIZE STD	DESCRIPTION
1	Main Bearing Set Main Bearing Set	FP-6732-28-8100	.25MM	
1	Main Bearing Set	FP-6732-27-8100	.50MM	
1 1	Main Bearing Set Main Bearing Set	FP-6732-26-8100 FP-6732-25-8100	.75MM 1.00MM	
1	Thrust Washer	FP-6731-21-8610	.50MM	
1	Thrust Washer	FP-6736-28-8700	1.00MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6732-51-1112	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6731-21-4220	SIZE	DESCRIPTION
1	Oil Seal Kit	FP-6736-39-1221		
I	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			
	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket Head Gasket Set	FP-6732-11-1151 FP-6731-11-9990		
4	Valve Cover Gasket	FP-6731-11-9990 FP-6732-11-8181		
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
16	Valve Keeper	FP-6732-41-4520		Int. & Exh.
4	Valve, Exhaust Valve, Intake	FP-6736-41-4210 FP-6736-41-4110		
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
8	Valve Guide	FP-6736-18-1310	J	Int. & Exh.; Thin wall
4	Valve Guide Valve Guide	FP-6736-19-1310 EP-6736-19-1410		Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
4	valve Guide	FP-6736-19-1410	ad on nav	



				3.9L 239 OHV L4, 4.0197" Bore 14
	CYL. HEAD & PARTS (cont.)			(cont.)
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170	SIZE	DESCRIPTION Exh.
	VALVE SPRING Valve Spring	FP-6732-11-1180 PART NO. FP-6732-41-4430	SIZE	DESCRIPTION
8	Valve Spring Seat CYLINDER COMPONENTS	FP-6732-41-4510		Upper
QTY 8 8 8 8	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400	SIZE STD .25MM .50MM .75MM	DESCRIPTION
	Rod Bearing Half Upper/Lower LINERS	FP-6736-36-3400 PART NO.	1.00MM SIZE	DESCRIPTION
4 QTY 4	Liner w/o Sealing Ring PISTON RINGS Ring Set, Single Cylinder	FP-6736-29-2110 PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
QTY 4 4 4 8 4		PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 4 1 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	FUEL SYSTEM & PARTS FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3220 FP-6732-11-3230	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION
				3.9L 239 OHV L4, 4.0197" Bore 15
		S4D102E; Build Series 1J; E S4D102E; Build Series 1J; E	Eng. Ser. Eng. Ser. Eng. Ser. Eng. Ser. Eng. Ser. Eng. Ser.	No. 26200163-Up; Model D38E-1; Model Ser. No. 85799-Up No. 26200163-Up; Model D38E-1A; Model Ser. No. 86239-Up No. 26200163-Up; Model D38P-1; Model Ser. No. 85799-Up No. 26200163-Up; Model D38P-1A; Model Ser. No. 86239-Up No. 26200163-Up; Model D39E-1; Model Ser. No. 95872-Up No. 26200163-Up; Model D39E-1A; Model Ser. No. 96338-Up No. 26200163-Up; Model D39P-1; Model Ser. No. 95872-Up No. 26200163-Up; Model D39P-1A; Model Ser. No. 96338-Up
	CAMSHAFT GROUP	D4==	0:==	750000500
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112		DESCRIPTION



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15	5 3.9L 239 OHV L4, 4.019	7" Bore		
(cor	• • • • • • • • • • • • • • • • • • • •			
	COOLING SYSTEM			
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6732-61-6240	O.LL	BESONIII TION
1	Thermostat	FP-6732-61-1620		
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6736-61-1202		
	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6732-31-1100		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Main Bearing Set	FP-6732-29-8110	STD	
1 1	Main Bearing Set Main Bearing Set	FP-6732-28-8100 FP-6732-27-8100	.25MM .50MM	
1	Main Bearing Set	FP-6732-26-8100	.75MM	
1	Main Bearing Set	FP-6732-25-8100	1.00MM	
1	Thrust Washer	FP-6731-21-8610	.50MM	
1	Thrust Washer	FP-6736-28-8700	1.00MM	
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6732-51-1112		
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6731-21-4220		
1	Oil Seal Kit	FP-6736-39-1221		
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			
		DARTNO	0175	DECODIDATION
	GASKETS Head Gasket	<i>PART NO.</i> FP-6732-11-1151	SIZE	DESCRIPTION
1 1	Head Gasket Set	FP-6731-11-9990		
4	Valve Cover Gasket	FP-6732-11-8181		
OTY	VALVE	PART NO.	SIZE	DESCRIPTION
16	Valve Keeper	FP-6732-41-4520	OIZL	Int. & Exh.
4	Valve, Exhaust	FP-6736-41-4210		···· • -···
4	Valve, Intake	FP-6736-41-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
8	Valve Guide	FP-6736-18-1310		Int. & Exh.; Thin wall
4	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
4	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM
QTY 8	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
			CIZE	
Q Y 4	VALVE SEAT Valve Seat	<i>PART NO.</i> FP-6732-11-1170	SIZE	DESCRIPTION Exh.
4	Valve Seat	FP-6732-11-1180		Int.
	VALVE SPRING	PART NO.	SIZE	
8	Valve Spring	FP-6732-41-4430	SIZL	DESCRIPTION
8	Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
QTY	BRGS.	PART NO.		DESCRIPTION
8	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD	
8	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM	
8 8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM	
8	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM	
	LINERS	PART NO.		DESCRIPTION
4	Liner w/o Sealing Ring	FP-6736-29-2110	JILL	
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
4	Ring Set, Single Cylinder	FP-6738-31-2031	STD	
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
4	Piston Body w/o Pin	FP-6735-31-2111	STD	
4	Piston Pin	FP-6731-31-2410		
4	Piston Pin Bushing	FP-6732-31-3131		



				3.9L 239 OHV L4, 4.0197" Bore 15 (cont.)
	CYLINDER COMPONE	NTS (cont.)		
QTY 8 4	PISTONS (cont.) Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PA		0.2	
OTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
1 4 1	Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	1; O/S 2-3-4-5; O/S Narrow Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	FUEL SYSTEM & PAR	TS		• •
QTY 4 4	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6733-11-3100 FP-6735-11-3160	SIZE	DESCRIPTION
	INT & EXH MANIFOLD	S		
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION
		SAA4D102E; Build Series 2B-4; Er SAA4D102E; Build Series 2B-4; Er SAA4D102E; Build Series 2B-4; Er	ng. Ser. I ng. Ser. I ng. Ser. I	o. 26277757-Up; Model D39PX-21; Model Ser. No. 1001-Up No. 26277757-Up; Model D31EX-21; Model Ser. No. 50001-Up No. 26277757-Up; Model D31PX-21; Model Ser. No. 50001-Up No. 26277757-Up; Model D37EX-21; Model Ser. No. 50001-Up No. 26277757-Up; Model D37PX-21; Model Ser. No. 50001-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	<i>PART NO.</i> FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PU	MP		
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6732-31-1100	SIZE	DESCRIPTION
QTY	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6732-51-1113	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	
1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing



	16 3.9L 239 OHV L4, 4.0197" Bore				
	CYL. HEAD & PARTS				
QTY 1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION	
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 4	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
QTY 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6738-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
1 4 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1411		DESCRIPTION 1; O/S 2-3-4-5; O/S Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION	
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant	
	FUEL SYSTEM & PARTS				
QTY 4 4	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6737-11-3100 FP-6738-11-3120	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION	



8 Valve Spring

Komatsu Off Highway

3.9L 239 OHV L4, 4.0197" Bore Excavator

S4D102E; Build Series 1AE; Eng. Ser. No. 26213103-Up; Model PC130-6K; Model Ser. No. K30001-Up S4D102E; Build Series 1D; Eng. Ser. No. 26200163-Up; Model PC100-6; Model Ser. No. 40001-Up S4D102E; Build Series 1D; Eng. Ser. No. 26200163-Up; Model PC100-6Z; Model Ser. No. 40001-Up S4D102E; Build Series 1D; Eng. Ser. No. 26200163-Up; Model PC100L-6; Model Ser. No. 15001-Up S4D102E; Build Series 1E; Eng. Ser. No. 26200163-Up; Model PC120-6; Model Ser. No. 45001-Up S4D102E; Build Series 1E; Eng. Ser. No. 26200163-Up; Model PC120-6Z; Model Ser. No. 45001-Up S4D102E; Build Series 1E; Eng. Ser. No. 26200163-Up; Model PC120LC-6; Model Ser. No. 45001-Up S4D102E; Build Series 1F-US; Eng. Ser. No. 26200163-Up; Model PC128US-1; Model Ser. No. 1001-Up S4D102E; Build Series 1F-US; Eng. Ser. No. 26200163-Up; Model PC128UU-1; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC128US-2; Model Ser. No. 5001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC128UU-2; Model Ser. No. 5001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC128UU-2; Model Ser. No. 5001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC128UU-2; Model Ser. No. 5001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 1001-Up S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC138USLC-2; Model Ser. No. 10001-Up

S4D102E; Build Series 1V; Eng. Ser. No. 26200163-Up; Model PC158USLC-2-WI; Model Ser. No. 10001-Up

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	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION
QTY 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1112	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181		DESCRIPTION
16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION

FP-6732-41-4430



	17 3.9L 239 OHV L4, 4.0197" Bore					
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	CYL. HEAD & PARTS (cont.) VALVE SPRING (cont.)	PART NO.	CIZE	DESCRIPTION		
8	Valve Spring Seat	FP-6732-41-4510	SIZE	DESCRIPTION Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS &					
QTY 8	BRGS. Rod Bearing Half Upper/Lower	<i>PART NO.</i> FP-6732-31-3411	SIZE STD	DESCRIPTION		
8	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM			
8	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM			
8 8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-37-3400 FP-6736-36-3400	.75MM 1.00MM			
QTY 4	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION		
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION		
	PISTONS	PART NO.		DESCRIPTION		
4	Piston Body w/o Pin Piston Pin	FP-6735-31-2111 FP-6731-31-2410	STD			
4	Piston Pin Bushing	FP-6732-31-3131				
8	Piston Pin Retainer	FP-6732-31-2420	CTD			
4	Piston w/Retainer & Rings	FP-6735-31-2140	STD			
	ENGINE BLOCK & PARTS CAM BEARINGS	DART NO	CIZE	DESCRIPTION		
1	Camshaft Bearing	<i>PART NO.</i> FP-6736-29-1410	SIZE	DESCRIPTION 1; O/S		
4	Camshaft Bearing	FP-6736-29-1420		2-3-4-5; O/S		
1	Camshaft Bearing Camshaft Bearing	FP-6732-21-1410 FP-6732-21-1411		Narrow Wide		
	GASKET SETS	PART NO.	SIZE			
1	Conversion Gasket Set	FP-6732-01-1140		-		
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant		
	FUEL SYSTEM & PARTS	11-1010090		On part, 111 v Ocalant		
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION		
4	Fuel Injector - New Fuel Injector Nozzle	FP-6732-11-3220 FP-6732-11-3230				
- 1	,	11-0/02-11-0200				
	INT & EXH MANIFOLDS	DART NO	CIZE	DESCRIPTION		
QIY 4	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	<i>PART NO.</i> FP-6736-11-5810	SIZE	DESCRIPTION		
1	Intake Manifold Gasket	FP-6733-11-4861				
18	3 3.9L 239 OHV L4, 4.0197	7" Bore				
•	Excavator					
	S4D102E; Build Series 1B; Eng. Ser. No. S4D102E; Build Series 1B; Eng. Ser. No.					
	CAMSHAFT GROUP					
QTY 8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM					
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1 1	O-Ring Thermostat	FP-6732-61-6240 FP-6732-61-1620				
	WATER PUMP	PART NO.	SIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6736-61-1202				
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION		
1	Main Bearing Set Main Bearing Set	FP-6732-29-8110 FP-6732-28-8100	STD .25MM			
1	Main Bearing Set	FP-6732-27-8100	.50MM			
1	Main Bearing Set	FP-6732-26-8100	.75MM			



				3.9L 239 OHV L4, 4.0197" Bore 18
	CRANKSHAFT/OIL PUMP (cont.)			, ,
QTY 1 1 1	MAIN BEARINGS (cont.) Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE 1.00MM .50MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1112	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
1	SEALS - REAR CRANK Oil Seal Oil Seal	PART NO. FP-6735-K2-3001 FP-6736-39-1130	SIZE	DESCRIPTION Wet housing
1	Oil Seal Kit CYL. HEAD & PARTS	FP-6736-39-1140		Dry housing
1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	
16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
QTY 8 8 8 8 8	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 4	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
QTY 4 4 4 8 4	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 4 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	SIZE STD STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant



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18 (cor		7" Bore		
	FUEL SYSTEM & PARTS			
QTY 4 4	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3250 FP-6732-11-3260	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION
19	3.9L 239 OHV L4, 4.019 Excavator S4D102E; Build Series 1AA; Eng. Ser.		I PW130E	ES-6K; Model Ser. No. K30545-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION
1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE STD .25MM .50MM .75MM 1.00MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1112	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Oil Seal	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
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CYLINDER COMPONENTS CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower LINERS Liner w/o Sealing Ring PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400 PART NO. FP-6736-29-2110	SIZE STD .25MM .50MM .75MM 1.00MM	3.9L 239 OHV L4, 4.0197" Bore 19 (cont.) DESCRIPTION
CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower LINERS Liner w/o Sealing Ring PISTON RINGS	FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400 PART NO.	STD .25MM .50MM .75MM	DESCRIPTION
BRGS. Rod Bearing Half Upper/Lower LINERS Liner w/o Sealing Ring PISTON RINGS	FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400 PART NO.	STD .25MM .50MM .75MM	DESCRIPTION
LINERS Liner w/o Sealing Ring PISTON RINGS	PART NO.		
PISTON RINGS	1 F-0130-23-2110	SIZE	DESCRIPTION
	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	STD	DESCRIPTION
	11 0700 01 2140	OID	
CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6733-11-3100 FP-6735-11-3160	SIZE	DESCRIPTION
INT & EXH MANIFOLDS			
INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION
			3.9L 239 OHV L4, 4.0197" Bore 20
SA4D102E; B	uild Series 1AE; Eng. S	er. No. 26	Excavator 213103-Up; Model PC150LGP-6K; Model Ser. No. K35001-Up
CAMSHAFT GROUP			
CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
COOLING SYSTEM			
O-Ring	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION
	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
CRANKSHAFT/OIL PUMP			
CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION
MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION
	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston Pin Retainer Piston W/Retainer & Rings ENGINE BLOCK & PARTS CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Gasket Sets Conversion Gasket Set GASKETS Chemicals FUEL SYSTEM & PARTS FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle INT & EXH MANIFOLDS INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing Set Thrust Washer	PISTONS PART NO. Piston Body w/o Pin FP-6735-31-2111 Piston Pin Piston Pin FP-6735-31-31-2410 Piston Pin Bushing FP-6732-31-3131 Piston Pin Retainer FP-6732-31-2420 Piston W/Retainer & Rings FP-6735-31-2140 ENGINE BLOCK & PARTS CAM BEARINGS PART NO. Camshaft Bearing FP-6736-29-1410 Camshaft Bearing FP-6732-21-1411 Camshaft Bearing FP-6732-21-1410 Camshaft Bearing FP-6732-01-1140 GASKET SETS PART NO. Chemicals FP-1816593 FUEL INJECTION PART NO. Fuel Injector - New FP-6733-11-3100 Fuel Injector - New FP-6733-11-3100 INT & EXH MANIFOLDS PART NO. Exhaust M	PISTONS PART NO. SIZE Piston Body w/o Pin FP-6735-31-211 STD Piston Pin FP-6735-31-211 STD Piston Pin Bushing FP-6732-31-2410 FP-6732-31-2410 Piston Pin Retainer FP-6732-31-2420 STD Piston W/Retainer & Rings FP-6735-31-2140 STD ENGINE BLOCK & PARTS STD SIZE CAM BEARINGS PART NO. SIZE CAM BEARINGS PART NO. SIZE Camshaft Bearing FP-6736-29-1410 STD Camshaft Bearing FP-6736-29-1420 STD Camshaft Bearing FP-6732-21-1411 STD GASKET SETS PART NO. SIZE Conversion Gasket Set FP-6732-01-1140 SIZE GASKETS PART NO. SIZE Chemicals FP-1816593 SIZE FUEL INJECTION PART NO. SIZE FUEL INJECTION PART NO. SIZE FUEL INJECTION PART NO. SIZE Exhaust Manifold Gasket FP-6736-11-5810



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	CRANKSHAFT/OIL PUMP (cont.)						
	OIL PUMP	PART NO.	SIZE	DESCRIPTION			
1	Oil Pump	FP-6732-51-1112	0.22	2200 110.11			
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION			
1	Oil Seal	FP-6731-21-4220					
1	Oil Seal Kit	FP-6736-39-1221					
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION			
1	Oil Seal	FP-6736-39-1130		Wet housing			
1	Oil Seal Kit	FP-6736-39-1140		Dry housing			
	CYL. HEAD & PARTS						
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION			
1	Head Gasket	FP-6732-11-1151					
1 4	Head Gasket Set Valve Cover Gasket	FP-6731-11-9990 FP-6732-11-8181					
	VALVE	PART NO.	SIZE	DESCRIPTION			
16	Valve Keeper	FP-6732-41-4520	0.22	Int. & Exh.			
4	Valve, Exhaust	FP-6736-41-4210					
4	Valve, Intake	FP-6736-41-4110	6:==	DECORIDATION			
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6736-18-1310	SIZE	DESCRIPTION Int. & Exh.; Thin wall			
4	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM			
4	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM			
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION			
8	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.			
QTY 4	VALVE SEAT Valve Seat	<i>PART NO.</i> FP-6732-11-1170	SIZE	DESCRIPTION Exh.			
4	Valve Seat	FP-6732-11-1180		Int.			
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION			
8	Valve Spring	FP-6732-41-4430		Henry			
8	Valve Spring Seat	FP-6732-41-4510		Upper			
	CYLINDER COMPONENTS						
	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION			
8	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD	BEGOIN HON			
8	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM				
8 8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM				
8	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM				
QTY	LINERS	PART NO.	SIZE	DESCRIPTION			
4	Liner w/o Sealing Ring	FP-6736-29-2110					
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION			
4 OTV	Ring Set, Single Cylinder	FP-6738-31-2031	STD	DESCRIPTION			
QTY 4	PISTONS Piston Body w/o Pin	PART NO. FP-6735-31-2111	SIZE STD	DESCRIPTION			
4	Piston Pin	FP-6731-31-2410	0.10				
4	Piston Pin Bushing	FP-6732-31-3131					
8	Piston Pin Retainer Piston w/Retainer & Rings	FP-6732-31-2420 FP-6735-31-2140	STD				
-	ENGINE BLOCK & PARTS						
	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION			
1	Camshaft Bearing	FP-6736-29-1410	SIZE	1; O/S			
4	Camshaft Bearing	FP-6736-29-1420		2-3-4-5; O/S			
1	Camshaft Bearing Camshaft Bearing	FP-6732-21-1410 FP-6732-21-1411	STD STD	Narrow Wide			
	GASKET SETS	PART NO.	SIZE	DESCRIPTION			
1	Conversion Gasket Set	FP-6732-01-1140	JIZE	DECORM HON			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION			
1	Chemicals	FP-1816593		Oil pan; RTV Sealant			
	FUEL SYSTEM & PARTS						
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION			
4	Fuel Injector - New	FP-6732-11-3220					



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					3.9L 239 OHV L4, 4.0197" Bore	20 (cont.)
	FUEL SYSTEM & PA	RTS (cont.)				
QTY 4	FUEL INJECTION (cont.) Fuel Injector Nozzle		PART NO. FP-6732-11-3230	SIZE	DESCRIPTION	
	INT & EXH MANIFOL	DS				
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket		PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION	
					3.9L 239 OHV L4, 4.0197" Bore	21
		SA4D102E; Bui SA4D102E; Bui SA4D102E; Bui SA4D102E; Bui	ld Series 1AA; Eng. Ser ld Series 1AA; Eng. Ser ld Series 1AA; Eng. Ser ld Series 1AA; Eng. Ser ld Series 1AA; Eng. Ser	7. No. 21 7. No. 21 7. No. 21 7. No. 21	Excavator 240928-Up; Model PC150-6K; Model Ser. No. K30001-Up 240928-Up; Model PC150LC-6K; Model Ser. No. K30001-Up 240928-Up; Model PC160-6K; Model Ser. No. K30001-Up 240928-Up; Model PC180LC-6K; Model Ser. No. K30001-Up 240928-Up; Model PC180NLC-6K; Model Ser. No. K30001-Up 240928-Up; Model PW150ES-6K; Model Ser. No. K30001-Up	
	CAMSHAFT GROUP					
QTY 8	CAMSHAFT/LIFTER Lifter		PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat		PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION Eng. Ser. No. 26200163-Up	
1	Thermostat		FP-6735-61-1690		Up to Eng. Ser No. 26200162	
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>'</i>	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL F	PUMP				
QTY 1	CRANKSHAFT Crankshaft		PART NO. FP-6732-31-1100	SIZE	DESCRIPTION	
QTY 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer		FP-6731-21-8610	SIZE STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION	
QTY 1	OIL PUMP Oil Pump		PART NO. FP-6732-51-1112	SIZE	DESCRIPTION	
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit		PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION	
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit		PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing	
	CYL. HEAD & PART	S				
QTY 1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket		PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION	
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake		PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide		PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 8	VALVE SEAL Valve Stem Seal		PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	



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	CYL. HEAD & PARTS (cont.)			
QTY 4	VALVE SEAT Valve Seat	PART NO. FP-6732-11-1170	SIZE	DESCRIPTION Exh.
4 QTY 8	Valve Seat VALVE SPRING Valve Spring	FP-6732-11-1180 PART NO. FP-6732-41-4430	SIZE	Int. DESCRIPTION
8	Valve Spring Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
QTY 8	BRGS. Rod Bearing Half Upper/Lower	<i>PART NO.</i> FP-6732-31-3411	SIZE STD	DESCRIPTION
8	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM	
8 8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM	
8	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM	
QTY 4	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
	PISTONS Piston Body w/o Pin	PART NO. FP-6735-31-2111	SIZE STD	DESCRIPTION
4	Piston Pin	FP-6735-31-2111 FP-6731-31-2410	310	
4	Piston Pin Bushing	FP-6732-31-3131		
8 4	Piston Pin Retainer Piston w/Retainer & Rings	FP-6732-31-2420 FP-6735-31-2140	STD	
	ENGINE BLOCK & PARTS			
	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Camshaft Bearing	FP-6736-29-1410		1; O/S
4	Camshaft Bearing Camshaft Bearing	FP-6736-29-1420 FP-6732-21-1410	STD	2-3-4-5; O/S Narrow
1	Camshaft Bearing	FP-6732-21-1411	STD	Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	FUEL SYSTEM & PARTS			
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
4	Fuel Injector - New Fuel Injector Nozzle	FP-6733-11-3100 FP-6735-11-3160		
	INT & EXH MANIFOLDS			
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
4	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6733-11-4861		
22	2 3.9L 239 OHV L4, 4.0197	7" Bore		
	Excavator SA4D102E; Build Series 1AB; Eng. Ser. I SA4D102E; Build Series 1AB; Eng. Ser. I			
	CAMSHAFT GROUP	ор, мос		,
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
8	Lifter	FP-6732-41-2112		-
	COOLING SYSTEM			
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6732-61-6240 FP-6735-61-1690		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
_	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION
		,	d on nov	



3.9L 239 OHV L4, 4.0197" Bore	22
	(cont.)

				0.5E 205 OHV E4, 4.0157	 (cont.)
	CRANKSHAFT/OIL PUMP (cont.)				
1 1 1 1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6732-25-8100	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
1	Thrust Washer Thrust Washer	FP-6731-21-8610 FP-6736-28-8700	.50MM 1.00MM		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1112	SIZE	DESCRIPTION	
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION	
1	SEALS - REAR CRANK Oil Seal Oil Seal	PART NO. FP-6735-K2-3001 FP-6736-39-1130	SIZE	DESCRIPTION Wet housing	
1	Oil Seal Kit CYL. HEAD & PARTS	FP-6736-39-1140		Dry housing	
1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION	
16 4 4	Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	Int. & Exh.	
QTY 8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 8	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
QTY 8 8 8 8	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION	
4 QTY 4	Liner w/o Sealing Ring PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6732-31-2280	SIZE	DESCRIPTION	
QTY 4 4 4 8 4	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston With Retainers	PART NO. FP-6733-31-2120 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6733-31-2110	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 1 4 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1411	SIZE STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Wide	



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	22 3.9L 239 OHV L4, 4.0197" Bore						
	ENGINE BLOCK & PARTS (cont.)						
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION			
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant			
	FUEL SYSTEM & PARTS						
QTY 4	FUEL INJECTION Fuel Injector - New	PART NO. FP-6733-11-3110	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION			
2	23 3.9L 239 OHV L4, 4.0197" Bore Excavator SAA4D102E; Build Series 2E-4; Eng. Ser. No. 26277757-Up; Model PC160LC-7; Model Ser. No. 10001-Up						
	CAMSHAFT GROUP		U II	,			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION			
	WATER PUMP	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP						
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION			
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-29-8110 FP-6732-28-8100 FP-6732-27-8100 FP-6732-26-8100 FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	SIZE STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM	DESCRIPTION			
	OIL PUMP Oil Pump	PART NO. FP-6732-51-1113	SIZE	DESCRIPTION			
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION			
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing			
	CYL. HEAD & PARTS						
1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION			
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.			
QTY 8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM			
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.			



				3.9L 239 OHV L4, 4.0197" Bore 23
	CYL. HEAD & PARTS (cont.)			(65111.)
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
4	Valve Seat	FP-6732-11-1170		Exh.
4 OTV	Valve Seat VALVE SPRING	FP-6732-11-1180 PART NO.	SIZE	Int. DESCRIPTION
8	Valve Spring	FP-6732-41-4430	OIZL	DESCRIPTION
8	Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION
8	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD	
8 8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-39-3400 FP-6736-38-3400	.25MM .50MM	
8	Rod Bearing Half Upper/Lower	FP-6736-37-3400	.75MM	
8	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM	
QTY 4	LINERS Liner w/o Sealing Ring	<i>PART NO.</i> FP-6736-29-2110	SIZE	DESCRIPTION
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
4	Ring Set, Single Cylinder	FP-6738-31-2031	STD	
	PISTONS Dieton Body w/o Bin	PART NO.	SIZE	DESCRIPTION
4	Piston Body w/o Pin Piston Pin	FP-6738-31-2111 FP-6731-31-2410		
4	Piston Pin Bushing	FP-6732-31-3131		
8	Piston Pin Retainer	FP-6732-31-2420		
	ENGINE BLOCK & PARTS	D.4.D.T.11.2	<u></u>	DECORPORAL
QTY 1	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6736-29-1410	SIZE	DESCRIPTION 1; O/S
4	Camshaft Bearing	FP-6736-29-1420		2-3-4-5; O/S
1	Camshaft Bearing	FP-6732-21-1411		Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	FUEL SYSTEM & PARTS			
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
4	Fuel Injector - New Fuel Injector Nozzle	FP-6738-11-3100 FP-6738-11-3120		
	INT & EXH MANIFOLDS	0.00 0.20		
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
4	Exhaust Manifold Gasket	FP-6736-11-5810		
1	Intake Manifold Gasket	FP-6733-11-4861		
				3.9L 239 OHV L4, 4.0197" Bore 24 Wheel Loader
		S	4D102E;	Build Series 1; Model WA120-1LC; Model Ser. No. A20001-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring Thermostat	FP-6732-61-6240 FP-6735-61-1690		
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6732-31-1100		
QTY 1	MAIN BEARINGS Main Bearing Set	<i>PART NO.</i> FP-6732-29-8110	SIZE STD	DESCRIPTION
1	Main Bearing Set	FP-6732-29-8110 FP-6732-28-8100	.25MM	
1	Main Bearing Set	FP-6732-27-8100	.50MM	



_	24 3.9L 239 OHV L4, 4.0197" Bore					
	CRANKSHAFT/OIL PUMP (cont.)					
QTY 1 1 1 1	MAIN BEARINGS (cont.) Main Bearing Set Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6732-26-8100 FP-6732-25-8100 FP-6731-21-8610 FP-6736-28-8700	.75MM 1.00MM .50MM 1.00MM	DESCRIPTION		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6732-51-1113	SIZE	DESCRIPTION		
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION		
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing		
	CYL. HEAD & PARTS					
1 1 4	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6732-11-1151 FP-6731-11-9990 FP-6732-11-8181	SIZE	DESCRIPTION		
16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.		
8 4 4	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM		
QTY 8	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.		
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.		
QTY 8 8	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 4	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION		
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6736-31-2030	SIZE STD	DESCRIPTION		
4 4 4 4 8	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6735-01-3110 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 1 4 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410	SIZE STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow		
	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION		
	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant		
		/aantin				



3.9L 239 OHV L4, 4.0197" Bore	24 (cont.)
DESCRIPTION	

FUEL SYSTEM & PARTS QTY FUEL INJECTION SIZE PART NO. 4 Fuel Injector - New 4 Fuel Injector Nozzle FP-6736-11-3100 FP-6731-11-3150 **INT & EXH MANIFOLDS** QTY INT. & EXH. MANIFOLDS SIZE DESCRIPTION PART NO. Exhaust Manifold Gasket FP-6736-11-5810 FP-6733-11-4861 Intake Manifold Gasket

3.9L 239 OHV L4, 4.0197" Bore 25

Wheel Loader

S4D102E; Build Series 1N-L; Eng. Ser. No. 26200163-Up; Model WA120L-3; Model Ser. No. 54001-Up

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	25 3.9L 239 OHV L4, 4.0197" Bore (cont.)					
	CYLINDER COMPONENTS					
	CONNECTING RODS &					
QIY 8	BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411	SIZE	DESCRIPTION		
8	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM			
8	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM			
8	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-37-3400 FP-6736-36-3400	.75MM 1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
4	Liner w/o Sealing Ring	FP-6736-29-2110	SIZL	DESCRIPTION		
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION		
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION		
4	Piston Body w/o Pin	FP-6735-31-2111	STD			
4	Piston Pin Piston Pin Bushing	FP-6731-31-2410 FP-6732-31-3131				
8	Piston Pin Retainer	FP-6732-31-2420				
4	Piston w/Retainer & Rings	FP-6735-31-2140	STD			
	ENGINE BLOCK & PARTS					
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION		
1	Camshaft Bearing	FP-6736-29-1410		1; O/S		
4	Camshaft Bearing Camshaft Bearing	FP-6736-29-1420 FP-6732-21-1410	STD	2-3-4-5; O/S Narrow		
1	Camshaft Bearing	FP-6732-21-1411		Wide		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6732-01-1140	SIZE	DESCRIPTION		
	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Chemicals	FP-1816593		Oil pan; RTV Sealant		
	FUEL SYSTEM & PARTS					
QTY 4	FUEL INJECTION Fuel Injector - New	PART NO. FP-6732-11-3220	SIZE	DESCRIPTION		
4	Fuel Injector Nozzle	FP-6732-11-3230				
	INT & EXH MANIFOLDS					
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION		
4	Exhaust Manifold Gasket	FP-6736-11-5810				
1	Intake Manifold Gasket	FP-6733-11-4861				
20	3.9L 239 OHV L4, 4.0197 Wheel Loader S4D102E; Build Series 1; Model WA120- S4D102E; Build Series 1; Model WA120-	3 Avance Plus; Model		.31001-Up		
	CAMSHAFT GROUP					
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM					
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1 1	O-Ring Thermostat	FP-6732-61-6240 FP-6732-61-1620				
	WATER PUMP	PART NO.	SIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6736-61-1202				
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6732-31-1100	SIZE	DESCRIPTION		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION		
1	Main Bearing Set	FP-6732-29-8110	STD .25MM			
1 1	Main Bearing Set Main Bearing Set	FP-6732-28-8100 FP-6732-27-8100	.25MM			
1	Main Bearing Set	FP-6732-26-8100	.75MM			
1	Main Bearing Set	FP-6732-25-8100	1.00MM			
1	Thrust Washer Thrust Washer	FP-6731-21-8610 FP-6736-28-8700	.50MM 1.00MM			
<u>'</u>	THI GOT TYGOTION		I .ouiviivi			



CRANKSHAFT/OIL PUMP (cont.)					3.9L 239 OHV L4, 4.0197" Bore 26 (cont.)
1 Oil Pump		CRANKSHAFT/OIL PUMP (cont.)			
Org Seal St. FRONT CRANK PART NO. SIZE DESCRIPTION				SIZE	DESCRIPTION
1 Oil Seal KR	_	<u> </u>		0175	DECODIDETION
OTY SALS - REAR CRANK PART NO. SIZE DESCRIPTION				SIZE	DESCRIPTION
1 Oil Seal FP-6736-39-1130 Wet housing Dry housing	1	Oil Seal Kit	FP-6736-39-1221		
1 Oil Seal for PF-6736-39-1140 CYL. HEAD & PARTS OTY GASKETS				SIZE	DESCRIPTION
CYL. HEAD & PARTS					
ASKETS	1		FP-6736-39-1140		Dry housing
1 Head Gasket FP-6731-11-1990					
1 Head Gasket Set FP-6732-11-18181				SIZE	DESCRIPTION
Authorst	1	Head Gasket Set	FP-6731-11-9990		
16				0.75	PERCENTION
4 Valve, Exhaust				SIZE	
QTY VALVE GUIDE	4	Valve, Exhaust	FP-6736-41-4210		
8 Valve Guide	-	· · · · · · · · · · · · · · · · · · ·			
4 Valve Guide			-	SIZE	
OTY VALVE SEAL PART NO. SIZE DESCRIPTION Int. & Exh.	4	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
Ray Valve Stem Seal	-			0.75	
4 Valve Seat FP-6732-11-1170 Exh. Int.		=	-	SIZE	
A Valve Seat	QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
OTT VALVE SPRING PART NO. SIZE DESCRIPTION					
8 Valve Spring FP-6732-41-44310 Upper CYLINDER COMPONENTS CONNECTING RODS & BRGS. PART NO. SIZE BRGS. DESCRIPTION 8 Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod-36-39-3400 SoMM Rod Bearing Half Upper/Lower Rod-36-36-36-3400 SoMM Rod Bearing Half Upper/Lower Rod-36-36-3400 JoMM Rod Bearing Rod Bearing Rod Bearing Rod				SIZE	
CYLINDER COMPONENTS	8	Valve Spring	FP-6732-41-4430	OILL	DESCRIPTION
CONNECTING RODS & PART NO. SIZE DESCRIPTION	8		FP-6732-41-4510		Upper
BRGS					
8 Rod Bearing Half Upper/Lower FP-6732-31-3411 STD 8 Rod Bearing Half Upper/Lower FP-6736-39-3400 .25MM 8 Rod Bearing Half Upper/Lower FP-6736-38-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-36-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-36-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-36-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-37-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-37-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-36-3400 .75MM 8 Rod Bearing Half Upper/Lower FP-6736-36-3400 .75MM 4 Liner w/o Sealing Ring FP-6736-29-110 SIZE DESCRIPTION QTY PISTON RINGS PART NO. SIZE DESCRIPTION 4 Piston Body w/o Pin FP-6733-1-2111 STD 5 PP-6732-31-3131 FP-6732-31-3131 PP-6732-31-3131 8 Piston Pin FP-6732-31-3121	QTY		PART NO.	SIZE	DESCRIPTION
8 Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower RP-6736-38-3400 .50MM FP-6736-36-3400 1.00MM PP-6736-36-3400 1.00MM PP-6736-36-39-2110 SIZE DESCRIPTION PP-6738-31-2031 STD PROTON PROTON PP-6738-31-2031 STD PROTON PROTON PP-6738-31-2111 STD PROTON PP-6731-31-2410 PP-6732-31-3131 PP-6732-31-3131 PP-6732-31-3131 PP-6732-31-3131 PP-6732-31-2420 PP-6732-31-2420 PP-6732-31-2420 PP-6735-31-2140 STD PROTON PROTON PP-6735-31-2140 STD PROTON PP-6735-31-2140 STD PROTON PP-6736-29-1410 1; O/S 2-3-4-5; O/S 2-				_	
8 Rod Bearing Half Upper/Lower FP-6736-37-3400 .75MM FP-6736-36-3400 1.00MM FP-6736-36-3400 1.00MM FP-6736-36-3400 1.00MM FP-6736-36-3400 1.00MM FP-6736-39-2110 SIZE DESCRIPTION QTY LINERS PART NO. SIZE DESCRIPTION 4 Ring Set, Single Cylinder FP-6738-31-2031 STD FP-6738-31-2031 STD FP-6738-31-2031 STD FP-6738-31-2031 STD FP-6738-31-2111 STD FP-6738-31-2111 STD FP-6738-31-2110 STD FP-6738-31-2110 STD FP-6738-31-3131 FP-6732-31-3131 FP-6732-31-3131 FP-6732-31-3131 FP-6732-31-2400 STD FP-6732-31-2400 STD FP-6738-31-2140 STD FROM PRETAINER FP-6738-31-2140 STD FROM PRETAINER FP-6738-29-1410 STD FP-6738-29-1410 STD FP-6738-29-1410 STD FP-6738-29-1410 STD FP-6738-29-1420 STD FP-6738-29-1420 STD FP-6738-29-1420 STD FP-6738-29-1420 STD FP-6738-29-1420 STD FP-6732-21-1411 STD Wide STD Narrow STD					
CTY LINERS PART NO. SIZE DESCRIPTION	8	Rod Bearing Half Upper/Lower	FP-6736-37-3400	.75MM	
Liner w/o Sealing Ring	_	• ''			PEOORIPTION
CTY PISTON RINGS				SIZE	DESCRIPTION
PISTONS Piston Body w/o Pin Piston Pin Piston Pin Piston Pin Bushing Piston Pin Betainer PP-6731-31-2410 Piston Pin Betainer Piston Pin Retainer PP-6732-31-2140 Piston W/Retainer & Rings PP-6735-31-2140 Piston Pin Bushing PP-6735-31-2140 Piston W/Retainer PP-6735-31-2140 Piston Pin Bushing PP-6732-31-2420 Piston Pin Bushing PP-6732-31-2420 Piston Pin Bushing PP-6732-31-2420 Piston Pin Bushing PP-6732-31-2410 Piston Pin Bushing PP-6732-31-2420 Piston Pin Bushing PP-6732-3-1-410 Piston Pin Bushing PP-6732-31-2420 PP-6732-31-240 PP-6732-31-240 PP-6732-31-240 PP-6732-31-240 PP-6732-31-240 PP-6732-31-240 PP-6732-31-240 PP-6732-31-240 PP-6732-3-4-5; O/S PP-6732-3-4-5; O/S PP-6732-3-4-5; O/S PP-6732-3-4-5;		PISTON RINGS			DESCRIPTION
4 Piston Body w/o Pin FP-6735-31-2111 STD 4 Piston Pin FP-6731-31-2410 FP-6732-31-3131 8 Piston Pin Retainer FP-6732-31-2420 FP-6732-31-2140 STD ENGINE BLOCK & PARTS CTY CAM BEARINGS PART NO. SIZE DESCRIPTION 1 Camshaft Bearing FP-6736-29-1410 1; O/S 4 Camshaft Bearing FP-6736-29-1420 2-3-4-5; O/S 1 Camshaft Bearing FP-6732-21-1410 STD Narrow 1 Camshaft Bearing FP-6732-21-1410 STD Narrow 1 Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS PART NO. SIZE DESCRIPTION 1 Conversion Gasket Set FP-6732-01-1140 DESCRIPTION QTY GASKETS PART NO. SIZE DESCRIPTION 1 Chemicals FP-1816593 Oil pan; RTV Sealant FUEL SYSTEM & PARTS QTY FUEL INJECTION <t< td=""><td></td><td></td><td></td><td></td><td>DESCRIPTION</td></t<>					DESCRIPTION
4 Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings ENGINE BLOCK & PARTS QTY CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing FP-6732-21-1410 FP-6732-21-1410 Camshaft Bearing FP-6732-21-1410 Camshaft Bearing FP-6732-21-1410 TCAMSHAFT SETS PART NO. Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS PART NO. Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION Oil pan; RTV Sealant FUEL SYSTEM & PARTS QTY FUEL INJECTION PART NO. SIZE DESCRIPTION					DESCRIPTION
8 Piston Pin Retainer FP-6732-31-2420 FP-6735-31-2140 STD ENGINE BLOCK & PARTS QTY CAM BEARINGS PART NO. SIZE DESCRIPTION 1 Camshaft Bearing FP-6736-29-1410 1; O/S 4 Camshaft Bearing FP-6732-21-1410 STD Narrow 1 Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS PART NO. SIZE DESCRIPTION 1 Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION QTY GASKETS PART NO. Oil pan; RTV Sealant FUEL SYSTEM & PARTS QTY FUEL INJECTION PART NO. SIZE DESCRIPTION					
## ENGINE BLOCK & PARTS QTY CAM BEARINGS FP-6736-29-1410 1; O/S		Piston Pin Retainer			
QTY CAM BEARINGS PART NO. SIZE DESCRIPTION 1 Camshaft Bearing FP-6736-29-1410 1; O/S 4 Camshaft Bearing FP-6736-29-1420 2-3-4-5; O/S 1 Camshaft Bearing FP-6732-21-1410 STD Narrow 1 Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS Conversion Gasket Set PART NO. SIZE DESCRIPTION QTY GASKETS FP-1816593 PART NO. SIZE DESCRIPTION Oil pan; RTV Sealant FUEL SYSTEM & PARTS PART NO. SIZE DESCRIPTION QTY FUEL INJECTION PART NO. SIZE DESCRIPTION	4	Piston w/Retainer & Rings	FP-6735-31-2140	STD	
1 Camshaft Bearing FP-6736-29-1410 1; O/S 2-3-4-5; O/S 1 Camshaft Bearing FP-6736-29-1420 2-3-4-5; O/S 1 Camshaft Bearing FP-6732-21-1410 STD Narrow 1 Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS PART NO. SIZE DESCRIPTION 1 Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION 1 Chemicals FP-1816593 Oil pan; RTV Sealant FUEL SYSTEM & PARTS QTY FUEL INJECTION PART NO. SIZE DESCRIPTION SIZE DESCRIPTION Oil pan; RTV Sealant					
4 Camshaft Bearing FP-6736-29-1420 2-3-4-5; O/S 1 Camshaft Bearing FP-6732-21-1410 STD Narrow 1 Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS PART NO. SIZE DESCRIPTION 1 Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION 1 Chemicals FP-1816593 SIZE DESCRIPTION 2 Oil pan; RTV Sealant FUEL SYSTEM & PART S QTY FUEL INJECTION PART NO. SIZE DESCRIPTION 3 SIZE DESCRIPTION 5 DESCRIPTION 6 DESCRIPTIO				SIZE	
1 Camshaft Bearing FP-6732-21-1411 STD Wide QTY GASKET SETS PART NO. SIZE DESCRIPTION 1 Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION 1 Chemicals FP-1816593 SIZE DESCRIPTION Oil pan; RTV Sealant FUEL SYSTEM & PART S QTY FUEL INJECTION PART NO. SIZE DESCRIPTION		Camshaft Bearing			
QTY GASKET SETS PART NO. SIZE DESCRIPTION 1 Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION 1 Chemicals FP-1816593 SIZE DESCRIPTION Oil pan; RTV Sealant FUEL SYSTEM & PART S QTY FUEL INJECTION PART NO. SIZE DESCRIPTION					
1 Conversion Gasket Set FP-6732-01-1140 QTY GASKETS PART NO. SIZE DESCRIPTION 1 Chemicals FP-1816593 Oil pan; RTV Sealant FUEL SYSTEM & PARTS QTY FUEL INJECTION PART NO. SIZE DESCRIPTION		•			
1 Chemicals FP-1816593 Oil pan; RTV Sealant FUEL SYSTEM & PARTS QTY FUEL INJECTION PART NO. SIZE DESCRIPTION				JIZE	DECOMI HON
FUEL SYSTEM & PARTS QTY FUEL INJECTION PART NO. SIZE DESCRIPTION				SIZE	
QTY FUEL INJECTION PART NO. SIZE DESCRIPTION	1		FP-1816593		UII pan; HTV Sealant
	OTY		DARTNO	0175	DESCRIPTION
				SIZE	DESCRIF HON



NU	matsu Oii Highwa	y		▼ /DIESEL®			
	26 3.9L 239 OHV L4, 4.0197" Bore (cont.)						
	FUEL SYSTEM & PARTS (cont.)						
QTY 4	FUEL INJECTION (cont.) Fuel Injector Nozzle	PART NO. FP-6735-11-3160	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 4 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6733-11-4861	SIZE	DESCRIPTION			
2	7 4.3L 264 OHV L4, 4.133 Dozer						
	4D105; Build Series 5T; From Eng. Ser.	No. 106581 to 152519;	Model D3	31A-17; Model Ser. No. 32001-Up			
	CAMSHAFT GROUP						
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION			
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6134-61-1410	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP						
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6134-31-1100	SIZE	DESCRIPTION			
	MAIN BEARINGS	PART NO.		DESCRIPTION			
5 5	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-21-8010 FP-6136-29-8010	STD .25MM				
5	Main Bearing, Flanged	FP-6136-28-8010	.50MM				
5 5	Main Bearing, Flanged	FP-6136-27-8010	.75MM 1.00MM				
1	Main Bearing, Flanged Thrust Washer	FP-6136-26-8010 FP-6134-21-8050	STD				
1	Thrust Washer	FP-6134-29-8050	.25MM				
1	Thrust Washer Thrust Washer	FP-6134-28-8050 FP-6134-27-8050	.50MM .75MM				
i	Thrust Washer	FP-6134-26-8050	1.00MM				
QTY	OIL PUMP	PART NO.	SIZE				
1	Oil Pump	FP-6134-51-1000		From Eng. Ser. No. 106581 to 149999			
	Oil Pump SEALS - FRONT CRANK	FP-6134-52-1000 PART NO.	CIZE	From Eng. Ser. No. 150001 to 152519 DESCRIPTION			
1	Oil Seal	FP-6136-22-3510	SIZE	DESCRIPTION			
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION			
	CYL. HEAD & PARTS						
	GASKETS	PART NO.	SIZE	DESCRIPTION			
1 1	Head Gasket Head Gasket Set	FP-6135-12-1811 FP-6134-K1-9901					
1	Valve Cover Gasket	FP-6134-11-8810					
QTY 8	PUSH RODS Push Rod	PART NO. FP-6130-42-3110	SIZE	DESCRIPTION			
	VALVE	PART NO.	SIZE				
16 4	Valve Keeper Valve, Exhaust	FP-6136-41-4520 FP-6136-41-4211		Int. & Exh.			
4	Valve, Intake	FP-6136-41-4110					
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION			
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION			
4	Valve Seat Valve Seat	FP-6134-11-1320 FP-6136-11-1311		Exh. Int.			
	VALVE SPRING	PART NO.	SIZE				
8	Valve Spring	FP-6136-41-4410	_				
8	Valve Spring Seat Valve Spring Seat	FP-6136-41-4510 FP-6136-41-4530		Upper; From Eng. Ser. No. 106581 to 149999 Lower			
8	Valve Spring Seat	FP-6136-42-4510		Upper; From Eng. Ser. No. 150001 to 152519			
-		/	ed on nev	+ · · · · · · ·			



				4.3L 264 OHV L4, 4.1338" Bore 27
				(cont.)
	CYLINDER COMPON	ENTS		
QTY 4 4 4 4 4	CONNECTING RODS & BRGS. Connecting Rod Bearing Particle Connecting Rod Bearing Particle Connecting Rod Bearing Particle Rod Bearing Par	air FP-6138-39-3040 air FP-6138-38-3040 air FP-6138-37-3040	SIZE STD .25MM .50MM .75MM 1.00MM	
QTY 4 4 4 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK322110 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION
QTY 4 4 4 4 8	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainer Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-32-2110 FP-6136-32-2010 FP-6136-31-2410 FP-6136-31-3130 FP-04065-04018	SIZE	DESCRIPTION
	ENGINE BLOCK & PA	ARTS		
QTY 3	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6134-K2-9901	SIZE	DESCRIPTION
QTY 2	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6134-21-5830	SIZE	DESCRIPTION
	FUEL SYSTEM & PAF	RTS		
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLI	os		
QTY 2 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
				4.3L 264 OHV L4, 4.1338" Bore 28
		4D105; Build Series 5H; From Eng. 4D105; Build Series 5H; From Eng. 4D105; Build Series 5H; From Eng. 4D105; Build Series 5H; From Eng.	Ser. No. 1 Ser. No. 1 Ser. No. 1 Ser. No. 1	106581 to 152519; Model D31A-17; Model Ser. No. 32001-Up 106581 to 152519; Model D31E-17; Model Ser. No. 32001-Up 106581 to 152519; Model D31P-17; Model Ser. No. 32001-Up 106581 to 152519; Model D31P-17A; Model Ser. No. 32001-Up 106581 to 152519; Model D31Q-17; Model Ser. No. 32001-Up 106581 to 152519; Model D31S-17; Model Ser. No. 32001-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION
	COOLING SYSTEM			
1 1	THERMOSTAT O-Ring Thermostat	<i>PART NO.</i> FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6134-61-1410	SIZE	DESCRIPTION
	CRANKSHAFT/OIL P	UMP		
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6134-31-1100	SIZE	DESCRIPTION
QTY 5 5 5 5	MAIN BEARINGS Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010	SIZE <i>STD .25MM .50MM .75MM</i>	
			iod on nov	



	28 4.3L 264 OHV L4, 4.1338" Bore							
	CRANKSHAFT/OIL PUMP (cont.)							
QTY 5 1 1 1 1	MAIN BEARINGS (cont.) Main Bearing, Flanged Thrust Washer	PART NO. FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6134-27-8050 FP-6134-26-8050	\$IZE 1.00MM \$TD .25MM .50MM .75MM 1.00MM	DESCRIPTION				
1	OIL PUMP Oil Pump Oil Pump	PART NO. FP-6134-51-1000 FP-6134-52-1100	SIZE	DESCRIPTION From Eng. Ser. No. 106581 to 149999 From Eng. Ser. No. 150001 to 152519				
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION				
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION				
	CYL. HEAD & PARTS							
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6135-12-1811 FP-6134-K1-9901 FP-6134-11-8810	SIZE	DESCRIPTION				
QTY 8	PUSH RODS Push Rod	PART NO. FP-6130-42-3110	SIZE	DESCRIPTION				
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-41-4520 FP-6136-41-4211 FP-6136-41-4110	SIZE	DESCRIPTION Int. & Exh.				
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION				
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6134-11-1320 FP-6136-11-1311	SIZE	DESCRIPTION Exh. Int.				
QTY 8 8 8 8	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat Valve Spring Seat Valve Spring Seat	PART NO. FP-6136-41-4410 FP-6136-41-4510 FP-6136-41-4530 FP-6136-42-4510	SIZE	Upper; From Eng. Ser. No. 106581 to 149999 Lower Upper; From Eng. Ser. No. 150001 to 152519				
	CYLINDER COMPONENTS							
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3040 FP-6138-38-3040 FP-6138-37-3040 FP-6138-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION				
QTY 4 4 4 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK322110 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION				
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION				
QTY 4 4 4 4 8	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-32-2110 FP-6136-32-2010 FP-6136-31-2410 FP-6136-31-3130 FP-04065-04018	SIZE	DESCRIPTION				
	ENGINE BLOCK & PARTS							
QTY 3	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION				
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6134-K2-9901	SIZE	DESCRIPTION				



				4.3L 264 OHV L4, 4.1338" Bore 28 (cont.)
	ENGINE BLOCK & PARTS (cor	nt.)		
QTY 2	GASKETS Oil Pan Gasket	PART NO. FP-6134-21-5830	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 2 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
	4D105; B	Build Series 5T; From Eng.	Ser. No.	4.3L 264 OHV L4, 4.1338" Bore 29 Dozer 106581 to 152519; Model D31E-17; Model Ser. No. 32001-Up
	CAMSHAFT GROUP	3		,
	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION
	COOLING SYSTEM			
	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6134-61-1410	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6134-31-1100	SIZE	DESCRIPTION
QTY 5 5 5 5 5 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6136-21-8010 FP-6136-29-8010 FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6134-27-8050 FP-6134-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 1 1	OIL PUMP Oil Pump Oil Pump	PART NO. FP-6134-51-1100 FP-6134-52-1100	SIZE	DESCRIPTION From Eng. Ser. No. 106581 to 149999 From Eng. Ser. No. 150001 to 152519
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6135-12-1811 FP-6134-K1-9901 FP-6134-11-8810	SIZE	DESCRIPTION
QTY 8	PUSH RODS Push Rod	PART NO. FP-6130-42-3110	SIZE	DESCRIPTION
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-41-4520 FP-6136-41-4211 FP-6136-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6134-11-1320 FP-6136-11-1311	SIZE	DESCRIPTION Exh. Int.



	29 4.3L 264 OHV L4, 4.1338" Bore								
CYL. HEAD & PARTS (cont.)									
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION					
8	Valve Spring	FP-6136-41-4410	0.22						
8	Valve Spring Seat Valve Spring Seat	FP-6136-41-4510		Upper; From Eng. Ser. No. 106581 to 149999 Lower					
8	Valve Spring Seat Valve Spring Seat	FP-6136-41-4530 FP-6136-42-4510		Upper; From Eng. Ser. No. 150001 to 152519					
	CYLINDER COMPONENTS								
	CONNECTING RODS &								
	BRGS.	PART NO.	SIZE STD	DESCRIPTION					
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-31-3040 FP-6138-39-3040	.25MM						
4	Connecting Rod Bearing Pair	FP-6138-38-3040	.50MM						
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-37-3040 FP-6138-36-3040	.75MM 1.00MM						
	LINERS	PART NO.	SIZE	DESCRIPTION					
4	Cylinder Kit Complete	FP-LK322110	0.22	22031 110.11					
4	Liner w/o Sealing Ring	FP-6137-22-2210							
4	O-Ring O-Ring	FP-6136-21-2230 FP-6136-21-2240							
4	Sealing Ring, Liner	FP-6136-21-2220							
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION					
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION					
4	Piston Body w/o Pin Piston Kit w/Pin & Retainers	FP-6136-32-2110							
4	Piston Pin & Retainers	FP-6136-32-2010 FP-6136-31-2410							
4	Piston Pin Bushing	FP-6136-31-3130							
8	Piston Pin Retainer	FP-04065-04018							
	ENGINE BLOCK & PARTS								
QTY 3	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION					
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6134-K2-9901	SIZE	DESCRIPTION					
QTY 2	GASKETS Oil Pan Gasket	PART NO. FP-6134-21-5830	SIZE	DESCRIPTION					
	FUEL SYSTEM & PARTS								
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION					
	•	FF-0130-11-1130							
	INT & EXH MANIFOLDS	DARTNO	CIZE	DESCRIPTION					
2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	<i>PART NO.</i> FP-6135-11-5810	SIZE	DESCRIPTION					
2	Intake Manifold Gasket	FP-6136-11-4850							
30	4.3L 264 OHV L4, 4.1338	B" Bore							
	4D105; Build Series 5H; Eng. Ser. No. 15	2520-Up; Model D31A	-17; Mode	el Ser. No. 32001-Up					
	4D105; Build Series 5H; Eng. Ser. No. 15	2520-Up; Model D31E	-17; Mode	el Ser. No. 32001-Up					
	4D105; Build Series 5H; Eng. Ser. No. 15								
	4D105; Build Series 5H; Eng. Ser. No. 152520-Up; Model D31P-17A; Model Ser. No. 32001-Up 4D105; Build Series 5H; Eng. Ser. No. 152520-Up; Model D31Q-17; Model Ser. No. 32001-Up								
	4D105; Build Series 5H; Eng. Ser. No. 152520-Up; Model D31G-17; Model Ser. No. 32001-Up								
	4D105; Build Series 5T; Eng. Ser. No. 15 4D105; Build Series 5T; Eng. Ser. No. 15	2520-Up; Model D31A-	17; Mode	l Ser. No. 32001-Up					
	CAMSHAFT GROUP								
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION					
	COOLING SYSTEM								
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION					
1	O-Ring	FP-6136-11-6810							
1	Thermostat	FP-600-421-6210	ed on nev						



4

4

QTY

QTY

4

4

4

4

O-Ring

O-Ring

PISTONS

Piston Pin

Sealing Ring, Liner

Piston Body w/o Pin

Piston Pin Bushing

Ring Set, Single Cylinder

Piston Kit w/Pin & Retainers

PISTON RINGS

Komatsu Off Highway

4.3L 264 OHV L4, 4.1338" Bore 30 (cont.) **COOLING SYSTEM (cont.)** QTY WATER PUMP PART NO. SIZE DESCRIPTION 1 | Water Pump - Heavy Duty FP-6134-61-1410 **CRANKSHAFT/OIL PUMP** QTY CRANKSHAFT PART NO. SIZE DESCRIPTION Crankshaft FP-6134-31-1100 QTY MAIN BEARINGS PART NO. SIZE **DESCRIPTION** FP-6136-21-8010 Main Bearing, Flanged STD Main Bearing, Flanged FP-6136-29-8010 .25MM Main Bearing, Flanged .50MM 5 FP-6136-28-8010 5 Main Bearing, Flanged FP-6136-27-8010 .75MM 5 Main Bearing, Flanged FP-6136-26-8010 1.00MM Thrust Washer 1 FP-6134-21-8050 STD 1 Thrust Washer FP-6134-29-8050 .25MM 1 **Thrust Washer** FP-6134-28-8050 .50MM 1 **Thrust Washer** FP-6134-27-8050 .75MM **Thrust Washer** FP-6134-26-8050 1.00MM 1 QTY OIL PUMP PART NO. SIZE DESCRIPTION Oil Pump FP-6134-52-1100 **QTY SEALS - FRONT CRANK** PART NO. SIZE DESCRIPTION Oil Seal FP-6136-22-3510 QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION Oil Seal FP-6130-21-4231 CYL. HEAD & PARTS QTY GASKETS SIZE DESCRIPTION PART NO. Head Gasket FP-6135-12-1811 1 Head Gasket Set FP-6134-K1-9901 1 1 Valve Cover Gasket FP-6134-11-8810 QTY PUSH RODS PART NO. SIZE DESCRIPTION Push Rod FP-6130-42-3110 8 QTY VALVE PART NO. SIZE **DESCRIPTION** FP-6136-42-4520 16 Valve Keeper Int. & Exh. Valve, Exhaust FP-6136-42-4211 STD Valve, Intake FP-6136-42-4110 4 QTY **VALVE GUIDE** PART NO. **DESCRIPTION** SIZE FP-6136-19-1430 8 Valve Guide QTY VALVE SEAT PART NO. SIZE **DESCRIPTION** Valve Seat FP-6136-12-1310 Valve Seat FP-6136-12-1320 Exh QTY **VALVE SPRING** SIZE **DESCRIPTION** PART NO. 8 Valve Spring FP-6136-42-4410 Valve Spring Seat FP-6136-41-4530 Lower FP-6136-42-4510 Valve Spring Seat Upper CYLINDER COMPONENTS **CONNECTING RODS &** QTY BRGS. PART NO. SIZE DESCRIPTION FP-6138-31-3040 4 Connecting Rod Bearing Pair STD 4 Connecting Rod Bearing Pair FP-6138-39-3040 .25MM Connecting Rod Bearing Pair FP-6138-38-3040 .50MM 4 Connecting Rod Bearing Pair FP-6138-37-3040 .75MM Connecting Rod Bearing Pair FP-6138-36-3040 4 1.00MM QTY **LINERS** PART NO. SIZE **DESCRIPTION** Cylinder Kit Complete FP-LK362120 4 Liner w/o Sealing Ring FP-6137-22-2210

(continued on next page)

SIZE

DESCRIPTION

SIZE DESCRIPTION

FP-6136-21-2230

FP-6136-21-2240

FP-6136-21-2220

FP-6136-31-2030

FP-6136-32-2120 FP-6136-32-2020

FP-6136-31-2410 FP-6136-32-3130

PART NO.

PART NO.



30 (cont.)						
CY	LINDER COMPONENTS (cont.)					
	TONS (cont.) ston Pin Retainer	PART NO. FP-04065-04018	SIZE	DESCRIPTION		
EN	GINE BLOCK & PARTS					
	M BEARINGS Imshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION		
	SKET SETS Inversion Gasket Set	PART NO. FP-6134-K2-9901	SIZE	DESCRIPTION		
QTY GAS	SKETS Pan Gasket	PART NO. FP-6134-21-5830	SIZE	DESCRIPTION		
FU	EL SYSTEM & PARTS					
	EL INJECTION el Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION		
INT	C & EXH MANIFOLDS					
2 Ex	. & EXH. MANIFOLDS haust Manifold Gasket ake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		
	4.3L 264 OHV L4, 4.1338 Dozer	" Bore				
	4D105; Build Series 3C; Eng. Ser. No. 401 4D105; Build Series 3C; Eng. Ser. No. 401	38-Up; Model D31P-16 38-Up; Model D31P-16 38-Up; Model D31PL-1 38-Up; Model D31PLL- 38-Up; Model D31Q-16	6; Model 6A; Mode 16; Mode -16; Model 6; Model	Ser. No. 25001-Up el Ser. No. 25001-Up el Ser. No. 25001-Up lel Ser. No. 25001-Up Ser. No. 25001-Up		
CA	MSHAFT GROUP					
QTY CAN 8 Lift	MSHAFT/LIFTER ter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION		
CO	OLING SYSTEM					
1 0-1	ERMOSTAT Ring ermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION		
CB	ANKSHAFT/OIL PUMP					
QTY CRA	ANKSHAFT ankshaft	PART NO. FP-6131-32-1101	SIZE	DESCRIPTION		
1 Ma 1 Ma 1 Ma 1 Ma 3 Ma 2 Ma 1 Thi 1 Thi 1 Thi	IN BEARINGS ain Bearing Set ain Bearing Set ain Bearing Set ain Bearing Set ain Bearing, Flanged ain Bearing, Flanged rust Washer rust Washer rust Washer rust Washer	FP-6130-21-8011 FP-6130-21-8021 FP-6130-21-8500 FP-6130-29-8500 FP-6130-28-8500 FP-6130-27-8500	.25MM .50MM .75MM 1.00MM STD STD STD .25MM .50MM .75MM	Set Set Set 1-2-4		
QTY SEA	rust Washer ALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
QTY SEA	Seal ALS - REAR CRANK Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION		
	L. HEAD & PARTS					
QTY GAS 1 He 1 He	SKETS ad Gasket	PART NO. FP-6131-11-1812 FP-6131-K1-9901	SIZE	DESCRIPTION		
1 Va	ad Gasket Set Ive Cover Gasket	FP-6130-11-7821		DESCRIPTION		



				4.3L 264 OHV L4, 4.1338" Bore 31 (cont.)
	CYL. HEAD & PARTS (cont.)			
QTY 16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6130-41-4520 FP-6130-41-4210 FP-6130-41-4131	SIZE STD	DESCRIPTION Int. & Exh.
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6130-19-1310	SIZE	DESCRIPTION
4	Valve Seat	PART NO. FP-6130-11-1323	SIZE	DESCRIPTION Exh.
8 8 8 8	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6130-41-4410 FP-6130-41-4511 FP-6130-41-4620	SIZE	Upper Lower
	CYLINDER COMPONENTS			
QTY 4 4 4 4 4	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6130-31-3041 FP-6130-39-3041 FP-6130-38-3041 FP-6130-37-3041 FP-6130-36-3041	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 4 4 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring	PART NO. FP-LK302110 FP-6130-22-2310 FP-6130-21-2220 FP-6130-21-2230	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6130-32-2302	SIZE	DESCRIPTION
QTY 4 4 4 8	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6130-32-2110 FP-6130-31-2410 FP-6130-31-3130 FP-6130-31-2510	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
1 1 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6130-21-1410 FP-6130-21-1420 FP-6130-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6130-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6130-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6130-11-1131	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 1 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6132-11-5810 FP-07000-72070	SIZE	DESCRIPTION



32	2 4.3L 264 OHV L4, 4.13	338" Bore			
	S4D105; Build Series 1B; Eng. Ser. No. 18273-Up; Model D40A-1; Model Ser. No. 1501-Up S4D105; Build Series 1B; Eng. Ser. No. 18273-Up; Model D40AF-1A; Model Ser. No. 2201-Up S4D105; Build Series 1B; Eng. Ser. No. 18273-Up; Model D40PF-1A; Model Ser. No. 2201-Up S4D105; Build Series 1B; Eng. Ser. No. 18273-Up; Model D40PL-1; Model Ser. No. 1501-Up S4D105; Build Series 1C; Eng. Ser. No. 19078-Up; Model D45A-1; Model Ser. No. 1501-Up S4D105; Build Series 1C; Eng. Ser. No. 19078-Up; Model D45P-1; Model Ser. No. 1501-Up S4D105; Build Series 2B; Eng. Ser. No. 18273-Up; Model D40A-1; Model Ser. No. 1501-Up S4D105; Build Series 2B; Eng. Ser. No. 18273-Up; Model D40PL-1; Model Ser. No. 1501-Up S4D105; Build Series 2C; Eng. Ser. No. 19078-Up; Model D45A-1; Model Ser. No. 1501-Up S4D105; Build Series 2C; Eng. Ser. No. 19078-Up; Model D45P-1; Model Ser. No. 1501-Up S4D105; Build Series 2C; Eng. Ser. No. 19078-Up; Model D45P-1; Model Ser. No. 1501-Up S4D105; Build Series 2C; Eng. Ser. No. 19078-Up; Model D45S-1; Model Ser. No. 1501-Up				
	CAMSHAFT GROUP				
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION	
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6131-61-1202	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6131-32-1101	SIZE	DESCRIPTION	
1 1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Main Bearing, Flanged Main Bearing, Flanged Thrust Washer Thrust Seal SEALS - FRONT CRANK Oil Seal CYL. HEAD & PARTS	PART NO. FP-6130-29-8101 FP-6130-27-8101 FP-6130-27-8101 FP-6130-26-8101 FP-6130-21-8011 FP-6130-21-8021 FP-6130-21-8500 FP-6130-28-8500 FP-6130-27-8500 FP-6130-26-8500 PART NO. FP-6130-21-3230 PART NO. FP-6130-21-4231	25MM .50MM .75MM 1.00MM STD STD .25MM .50MM .75MM 1.00MM SIZE	Set Set Set 1-2-4 3-5	
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6131-11-1812 FP-6131-K1-9901 FP-6130-11-7821	SIZE	DESCRIPTION	
8	PUSH RODS Push Rod	PART NO. FP-6130-42-3110	SIZE	DESCRIPTION	
16 4 4	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6130-41-4520 FP-6130-41-4210 FP-6131-42-4120	STD	DESCRIPTION Int. & Exh.	
8	VALVE GUIDE Valve Guide	PART NO. FP-6130-19-1310		DESCRIPTION	
4	VALVE SEAL Valve Stem Seal	PART NO. FP-6130-41-4541	SIZE		
4 4	VALVE SEAT Valve Seat Valve Seat VALVE SPRING	PART NO. FP-6130-11-1323 FP-6131-12-1310	SIZE	Exh. Int.	
8 8	Valve Spring Valve Spring Valve Spring Seat	PART NO. FP-6130-41-4410 FP-6130-41-4511	SIZE	Upper	



				4.3L 264 OHV L4, 4.1338" Bore 32
	CYL. HEAD & PARTS (cont.)			· ·
	VALVE SPRING (cont.)	PART NO.	SIZE	
8	Valve Spring Seat	FP-6130-41-4620		Lower
	CYLINDER COMPONENTS			
QTY 4 4 4 4 4	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6130-31-3041 FP-6130-39-3041 FP-6130-38-3041 FP-6130-37-3041 FP-6130-36-3041	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 4 4 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring	PART NO. FP-LK312110 FP-6130-21-2213 FP-6130-21-2220 FP-6130-21-2230	SIZE	DESCRIPTION
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6131-31-2301	SIZE	DESCRIPTION
QTY 4 4 4 4 8	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6131-31-2110 FP-6131-31-2100 FP-6130-31-2410 FP-6130-31-3130 FP-6130-31-2510	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 1 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6130-21-1410 FP-6130-21-1420 FP-6130-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6130-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6130-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6130-11-1131	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6132-11-5810	SIZE	DESCRIPTION
				4.3L 264 OHV L4, 4.1338" Bore 33
		S4D105; Build Series S4D105; Build Series	3B; Eng. 3C; Eng.	Ser. No. 44579-Up; Model D40A-1; Model Ser. No. 1501-Up Ser. No. 44579-Up; Model D40PL-1; Model Ser. No. 1501-Up Ser. No. 44579-Up; Model D45A-1; Model Ser. No. 1501-Up Ser. No. 44579-Up; Model D45S-1; Model Ser. No. 1501-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6131-62-1205	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6131-32-1101	SIZE	DESCRIPTION
QTY 1 1	MAIN BEARINGS Main Bearing Set Main Bearing Set	PART NO. FP-6130-29-8101 FP-6130-28-8101	.25MM .50MM	Set



4.3L 264 OHV L4, 4.1338" Bore 33 (cont.) CRANKSHAFT/OIL PUMP (cont.) QTY MAIN BEARINGS (cont.) PART NO. SIZE DESCRIPTION Main Bearing Set FP-6130-27-8101 .75MM Set Main Bearing Set FP-6130-26-8101 1.00MM Set Main Bearing, Flanged FP-6130-21-8011 STD 1-2-4 Main Bearing, Flanged 2 FP-6130-21-8021 STD 3-5 Thrust Washer FP-6130-21-8500 STD Thrust Washer FP-6130-29-8500 .25MM 1 1 **Thrust Washer** FP-6130-28-8500 .50MM Thrust Washer FP-6130-27-8500 .75MM 1 1 **Thrust Washer** FP-6130-26-8500 1.00MM QTY OIL PUMP SIZE DESCRIPTION PART NO Oil Pump FP-6131-52-1001 QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION Oil Seal FP-6130-22-3290 **QTY SEALS - REAR CRANK** PART NO. SIZE DESCRIPTION Oil Seal FP-6130-21-4231 **CYL. HEAD & PARTS QTY GASKETS** PART NO. SIZE DESCRIPTION FP-6131-11-1812 Head Gasket Head Gasket Set FP-6131-K1-9901 FP-6130-11-7821 Valve Cover Gasket 1 **PUSH RODS** PART NO. SIZE DESCRIPTION 8 Push Rod FP-6130-42-3110 QTY VALVE PART NO. DESCRIPTION SIZE 16 Valve Keeper FP-6130-41-4520 Int. & Exh. 4 Valve. Exhaust FP-6130-41-4210 STD 4 Valve, Intake FP-6131-42-4110 QTY **VALVE GUIDE** PART NO. SIZE DESCRIPTION Valve Guide FP-6130-19-1310 QTY **VALVE SEAL** PART NO. SIZE DESCRIPTION 4 Valve Stem Seal FP-6130-41-4541 QTY VALVE SEAT PART NO. SIZE DESCRIPTION FP-6130-11-1323 4 Valve Seat Fxh. 4 Valve Seat FP-6131-12-1310 **VALVE SPRING** SIZE DESCRIPTION QTY PART NO. FP-6130-41-4410 8 Valve Spring Valve Spring Seat FP-6130-41-4511 8 Upper Valve Spring Seat FP-6130-41-4620 Lower **CYLINDER COMPONENTS CONNECTING RODS &** QTY BRGS. PART NO. SIZE **DESCRIPTION** 4 Connecting Rod Bearing Pair FP-6130-31-3041 STD Connecting Rod Bearing Pair 4 FP-6130-39-3041 .25MM Connecting Rod Bearing Pair FP-6130-38-3041 4 .50MM Connecting Rod Bearing Pair FP-6130-37-3041 .75MM 4 Connecting Rod Bearing Pair FP-6130-36-3041 1.00MM QTY LINERS PART NO. SIZE DESCRIPTION Cylinder Kit Complete 4 FP-I K322120 4 Liner w/o Sealing Ring FP-6130-22-2310 O-Ring 4 FP-6130-21-2220 4 O-Ring FP-6130-21-2230 **PISTON RINGS** QTY PART NO. SIZE DESCRIPTION Ring Set, Single Cylinder FP-6131-32-2302 QTY **PISTONS** PART NO. SIZE DESCRIPTION 4 Piston Body w/o Pin FP-6131-32-2120 4 Piston Pin FP-6130-31-2410 4 Piston Pin Bushing FP-6130-31-3130 FP-6130-31-2510 8 Piston Pin Retainer **ENGINE BLOCK & PARTS** QTY **CAM BEARINGS** PART NO. SIZE DESCRIPTION Camshaft Bearing FP-6130-21-1410

(continued on next page)

FP-6130-21-1420

Camshaft Bearing



				4.3L 264 OHV L4, 4.133	8" Bore	33 (cont.)
	ENGINE BLOCK & PARTS (cor	nt.)				
QTY 1	CAM BEARINGS (cont.) Camshaft Bearing	PART NO. FP-6130-21-1430	SIZE	DESCRIPTION		
2TY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6130-K2-9901	SIZE	DESCRIPTION		
ΣΤΥ 1	GASKETS Oil Pan Gasket	PART NO. FP-6130-21-5812	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
2TY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6130-11-1131	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6132-11-5810	SIZE	DESCRIPTION		
				4.3L 264 OHV L4, 4.133	8" Bore	34
		S4D105; Build Serie	es 3C; En	g. Ser. No. 44579-Up; Model D45P-1; Model Ser		
	CAMSHAFT GROUP	DARTNO	0175	DESCRIPTION		
8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION		
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6131-62-1205	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT Crankshaft	PART NO. FP-6131-32-1101	SIZE	DESCRIPTION		
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION		
1	Main Bearing Set	FP-6130-29-8101	.25MM			
1	Main Bearing Set Main Bearing Set	FP-6130-28-8101 FP-6130-27-8101	.50MM .75MM			
il	Main Bearing Set	FP-6130-26-8101	1.00MM			
3	Main Bearing, Flanged	FP-6130-21-8011	STD	1-2-4		
2	Main Bearing, Flanged	FP-6130-21-8021	STD	3-5		
1	Thrust Washer	FP-6130-21-8500	STD			
1	Thrust Washer Thrust Washer	FP-6130-29-8500 FP-6130-28-8500	.25MM .50MM			
1	Thrust Washer	FP-6130-27-8500	.75MM			
1	Thrust Washer	FP-6130-26-8500	1.00MM			
QTY	OIL PUMP Oil Pump	PART NO. FP-6131-52-1001	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6130-22-3290	SIZE	DESCRIPTION		
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket	FP-6131-11-1812				
1	Head Gasket Set Valve Cover Gasket	FP-6131-K1-9901 FP-6130-11-7821				
- 1	VALVE	PART NO.	SIZE	DESCRIPTION		
16	Valve Keeper	FP-6130-41-4520	JIZE	Int. & Exh.		
. •	Valve, Exhaust	FP-6130-41-4210 FP-6131-42-4110	STD			
4 4	Valve, Intake					
4	Valve, Intake VALVE GUIDE Valve Guide	PART NO. FP-6130-19-1310	SIZE	DESCRIPTION		



_	34 4.3L 264 OHV L4, 4.1338" Bore					
	CYL. HEAD & PARTS (cont.)					
QTY 4 4	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6130-11-1323 FP-6131-12-1310	SIZE	DESCRIPTION Exh. Int.		
QTY 8 8 8	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6130-41-4410 FP-6130-41-4511	SIZE	Upper Lower		
0	CYLINDER COMPONENTS	FP-6130-41-4620		Lower		
	CONNECTING RODS &					
	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6130-31-3041 FP-6130-39-3041 FP-6130-38-3041 FP-6130-37-3041 FP-6130-36-3041	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 4 4 4 4	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring	PART NO. FP-LK322120 FP-6130-22-2310 FP-6130-21-2220 FP-6130-21-2230	SIZE	DESCRIPTION		
QTY 4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6131-32-2302	SIZE	DESCRIPTION		
4 4 4 4 8	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6131-32-2120 FP-6130-31-2410 FP-6130-31-3130 FP-6130-31-2510	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 1 1 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6130-21-1410 FP-6130-21-1420 FP-6130-21-1430	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6130-K2-9901	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6130-21-5812	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6130-11-1131	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6132-11-5810	SIZE	DESCRIPTION		
3	4.3L 264 OHV L4, 4.1338" Bore Excavator S4D105; Build Series 5A; From Eng. Ser. No. 100022 to 149999; Model PC100-1; Model Ser. No. 10001-Up S4D105; Build Series 5B; From Eng. Ser. No. 100028 to 149999; Model PC100-2; From Model Ser. No. 13001 to 18000 S4D105; Build Series 5B; From Eng. Ser. No. 100028 to 149999; Model PC120-2; From Model Ser. No. 13001 to 18000 S4D105; Build Series 5E; From Eng. Ser. No. 101262 to 149999; Model PW100-1; Model Ser. No. 1003-Up					
	CAMSHAFT GROUP					
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION		
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6134-61-1100		DESCRIPTION		



4.3L 264 OHV L4, 4.1338" Bore 35

				4.3L 264 OHV L4, 4.1338" Bore 35 (cont.)
C	CRANKSHAFT/OIL PUMP			
	CRANKSHAFT Crankshaft	PART NO. FP-6134-31-1100	SIZE	DESCRIPTION
TY M	IAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
	Main Bearing, Flanged	FP-6136-21-8010	STD	
	Main Bearing, Flanged	FP-6136-29-8010	.25MM	
	Main Bearing, Flanged	FP-6136-28-8010	.50MM	
	Main Bearing, Flanged	FP-6136-27-8010	.75MM	
	Main Bearing, Flanged	FP-6136-26-8010	1.00MM	
	Thrust Washer Thrust Washer	FP-6134-21-8050	STD .25MM	
	Thrust Washer Thrust Washer	FP-6134-29-8050 FP-6134-28-8050	.∠ɔɪvɪvɪ .50MM	
	Thrust Washer	FP-6134-27-8050	.75MM	
-	Thrust Washer	FP-6134-26-8050	1.00MM	
	OIL PUMP	PART NO.	SIZE	DESCRIPTION
-	Oil Pump	FP-6134-51-1000	SIZE	DESCRIPTION
	EALS - FRONT CRANK		CIZE	DESCRIPTION
	Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION
	EALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
	Oil Seal	FP-6130-21-4231		
	CYL. HEAD & PARTS			
	ASKETS	PART NO.	SIZE	DESCRIPTION
	Head Gasket	FP-6135-12-1811		
	Head Gasket Set Valve Cover Gasket	FP-6135-K1-9901		
		FP-6134-11-8810		
	P USH RODS Push Rod	PART NO. FP-6130-42-3110	SIZE	DESCRIPTION
	ALVE	PART NO.	SIZE	DESCRIPTION
	Valve Keeper	FP-6136-41-4520	OILL	Int. & Exh.
	Valve, Exhaust	FP-6136-41-4211		THE CLEAN
	Valve, Intake	FP-6136-41-4110		
Y YTS	ALVE GUIDE	PART NO.	SIZE	DESCRIPTION
	Valve Guide	FP-6136-19-1331	OILL	DECOMM NOW
TV V	ALVE SEAT	PART NO.	SIZE	DESCRIPTION
	Valve Seat	FP-6134-11-1320	JIZL	Exh.
	Valve Seat	FP-6136-11-1311		Int.
	ALVE SPRING	PART NO.	SIZE	DESCRIPTION
	Valve Spring	FP-6136-41-4410	SIZE	DESCRIPTION
	Valve Spring Seat	FP-6136-41-4510		Upper
	Valve Spring Seat	FP-6136-41-4530		Lower
	CYLINDER COMPONENTS			
1.	CONNECTING RODS &			
	RGS.	PART NO.	SIZE	DESCRIPTION
	Connecting Rod Bearing Pair	FP-6138-31-3040	STD	
4 (Connecting Rod Bearing Pair	FP-6138-39-3050	.25MM	
	Connecting Rod Bearing Pair	FP-6138-38-3050	.50MM	
	Connecting Rod Bearing Pair	FP-6138-37-3050	.75MM	
	Connecting Rod Bearing Pair	FP-6138-36-3050	1.00MM	
	INERS	PART NO.	SIZE	DESCRIPTION
	Cylinder Kit Complete	FP-LK312112		
	Liner w/o Sealing Ring O-Ring	FP-6137-22-2210 FP-6136-21-2230		
	O-Ring O-Ring	FP-6136-21-2240		
	Sealing Ring, Liner	FP-6136-21-2220		
	ISTON RINGS	PART NO.	SIZE	DESCRIPTION
	Ring Set, Single Cylinder	FP-6137-31-2032	JIZL	223 11011
	ISTONS	PART NO.	SIZE	DESCRIPTION
	Piston Body w/o Pin	FP-6137-31-2112	•	
4	Piston Kit w/Pin & Retainers	FP-6137-31-2012		
	Piston Pin	FP-6137-31-2410		
	Piston Pin Bushing	FP-6136-31-3130		
8 1	Piston Pin Retainer	FP-04065-04018		



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	35 4.3L 264 OHV L4, 4.1338" Bore						
	ENGINE BLOCK & PARTS						
QTY 3	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6135-K2-9901	SIZE	DESCRIPTION			
QTY 2	GASKETS Oil Pan Gasket	PART NO. FP-6134-21-5830	SIZE	DESCRIPTION			
	FUEL SYSTEM & PARTS						
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 2 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION			
36	6 4.3L 264 OHV L4, 4.133(Excavator S4D105; Build Series 5A; Eng. Ser. No. S4D105; Build Series 5B; Eng. Ser. No. S4D105; Build Series 5B; Eng. Ser. No. S4D105; Build Series 5E; Eng. Ser. No.	1500001-Up; Model PC 1500001-Up; Model PC 1500001-Up; Model PC	100-2; Fro 120-2; Mo	om Model Ser. No. 13001 to 18000 odel Ser. No. 14001-Up			
	CAMSHAFT GROUP						
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION			
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6134-61-1100	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP						
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6134-31-1100	SIZE	DESCRIPTION			
QTY 5 5 5 5 5 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer	PART NO. FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6134-27-8050 FP-6134-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6134-52-1100	SIZE	DESCRIPTION			
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION			
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION			
	CYL. HEAD & PARTS						
QTY 1 1	GASKETS Head Gasket Head Gasket Set	PART NO. FP-6135-12-1811 FP-6135-K1-9901	SIZE	DESCRIPTION			
	Valve Cover Gasket PUSH RODS Push Rod	FP-6134-11-8810 PART NO. FP-6130-42-3110	SIZE	DESCRIPTION			
8 QTY 16	Push Rod VALVE Valve Keeper	PART NO. FP-6136-42-4520	SIZE	DESCRIPTION Int. & Exh.			
4	Valve, Exhaust Valve, Intake	FP-6136-42-4211 FP-6136-42-4110	STD	IIIL & LAII.			



				4.3L 264 OHV L4, 4.1338" Bore 36 (cont.)
	CYL. HEAD & PARTS (cont.)			
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1430	SIZE	DESCRIPTION
	VALVE SEAT	PART NO.	SIZE	
4	Valve Seat Valve Seat	FP-6134-11-1320 FP-6136-12-1310		Exh. Int.
QTY		PART NO.	SIZE	
8	Valve Spring	FP-6136-42-4410		Leave
8	Valve Spring Seat Valve Spring Seat	FP-6136-41-4530 FP-6136-42-4510		Lower Upper
	CYLINDER COMPONENTS			···
OTV	CONNECTING RODS &	DARTNO	CIZE	DECODINATION
4	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040	SIZE STD	DESCRIPTION
4	Connecting Rod Bearing Pair	FP-6138-39-3050	.25MM	
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-38-3050 FP-6138-37-3050	.50MM .75MM	
4	Connecting Rod Bearing Pair	FP-6138-36-3050	1.00MM	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION
4	Cylinder Kit Complete Liner w/o Sealing Ring	FP-LK72110 FP-6137-22-2210		
4	O-Ring	FP-6136-21-2230		
4	O-Ring	FP-6136-21-2240		
OTV	Sealing Ring, Liner PISTON RINGS	FP-6136-21-2220 PART NO.	SIZE	DESCRIPTION
4	Ring Set, Single Cylinder	FP-6137-31-2032	OIZL	DECOMM HON
QTY 4	PISTONS Piston Body w/o Pin	PART NO. FP-6137-32-2110	SIZE	DESCRIPTION
4	Piston Kit w/Pin & Retainers	FP-6137-32-2110 FP-6137-32-2010		
4	Piston Pin	FP-6137-31-2410		
4 8	Piston Pin Bushing Piston Pin Retainer	FP-6136-32-3130 FP-04065-04018		
	ENGINE BLOCK & PARTS			
QTY 3	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6135-K2-9901	SIZE	DESCRIPTION
QTY 2	GASKETS Oil Pan Gasket	PART NO. FP-6134-21-5830	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 4	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	<i>PART NO.</i> FP-6135-11-5810	SIZE	DESCRIPTION
2	Intake Manifold Gasket	FP-6136-11-4850		
				4.3L 264 OHV L4, 4.1338" Bore Grader
		4D105; Build Series	5J; Eng.	Ser. No. 102876-Up; Model GD300A; Model Ser. No. 2001-Up
	CAMSHAFT GROUP			
QTY 8	CAMSHAFT/LIFTER Lifter	PART NO. FP-6130-41-2113	SIZE	DESCRIPTION
	COOLING SYSTEM			
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6136-11-6810 FP-600-421-6210		
	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6134-61-1410		



	37 4.3L 264 OHV L4, 4.1338" Bore (cont.)					
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1	Crankshaft MAIN BEARINGS	FP-6134-31-1100 PART NO.	CIZE	DESCRIPTION		
5	Main Bearing, Flanged	FP-6136-21-8010	STD	DESCRIPTION		
5	Main Bearing, Flanged	FP-6136-29-8010	.25MM			
5 5	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-28-8010 FP-6136-27-8010	.50MM .75MM			
5	Main Bearing, Flanged	FP-6136-26-8010	1.00MM			
1	Thrust Washer Thrust Washer	FP-6134-21-8050 FP-6134-29-8050	STD .25MM			
1	Thrust Washer	FP-6134-28-8050	.50MM			
1	Thrust Washer	FP-6134-27-8050	.75MM			
1 0TV	Thrust Washer	FP-6134-26-8050	1.00MM	DECORIDEION		
QIY 1	OIL PUMP Oil Pump	PART NO. FP-6134-51-1000	SIZE	DESCRIPTION From Eng. Ser. No. 102876 to 149999		
1	Oil Pump	FP-6134-52-1100		Eng. Ser. No. 150001-Up		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION		
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6130-22-4231				
	CYL. HEAD & PARTS	D.107.110		DESCRIPTION		
QTY 1	GASKETS Head Gasket	<i>PART NO.</i> FP-6135-12-1811	SIZE	DESCRIPTION		
1	Head Gasket Set	FP-6134-K1-9901				
1	Valve Cover Gasket	FP-6134-11-8810				
8	PUSH RODS Push Rod	PART NO. FP-6130-42-3110	SIZE	DESCRIPTION		
QTY 16	VALVE Valve Keeper	PART NO. FP-6136-41-4520	SIZE	DESCRIPTION Int. & Exh.		
4	Valve, Exhaust	FP-6136-41-4211		IIII. & EXII.		
4	Valve, Intake	FP-6136-41-4110				
QTY 8	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION		
	VALVE SEAT	PART NO.	SIZE			
4	Valve Seat Valve Seat	FP-6134-11-1320 FP-6136-11-1311		Exh. Int.		
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
8	Valve Spring	FP-6136-41-4410		Hanne Francisco One No. 100070 to 140000		
8	Valve Spring Seat Valve Spring Seat	FP-6136-41-4510 FP-6136-41-4530		Upper; From Eng. Ser. No. 102876 to 149999 Lower		
8	Valve Spring Seat	FP-6136-42-4510		Upper; Eng. Ser. No. 150001-Up		
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS.	DARTNO	CIZE	DESCRIPTION		
4	Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040	SIZE STD	DESCRIPTION		
4	Connecting Rod Bearing Pair	FP-6138-39-3040	.25MM			
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-38-3040 FP-6138-37-3040	.50MM .75MM			
4	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-36-3040	1.00MM			
QTY	LINERS	PART NO.	SIZE	DESCRIPTION		
4	Cylinder Kit Complete	FP-LK322110				
4	Liner w/o Sealing Ring O-Ring	FP-6137-22-2210 FP-6136-21-2230				
4	O-Ring	FP-6136-21-2240				
4 OTV	Sealing Ring, Liner	FP-6136-21-2220	0175	DESCRIPTION		
4	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030		DESCRIPTION		
QTY 4	PISTONS Piston Body w/o Pin	PART NO. FP-6136-32-2110	SIŻE	DESCRIPTION		
4	Piston Kit w/Pin & Retainers	FP-6136-32-2010				
4	Piston Pin	FP-6136-31-2410				
8	Piston Pin Bushing Piston Pin Retainer	FP-6136-31-3130 FP-04065-04018				
	1					



				4.3L 264 OHV L4, 4.1338" Bore 37
	ENGINE BLOCK & PARTS	S		, i
QTY 3	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6134-K2-9901	SIZE	DESCRIPTION
2 TY	GASKETS Oil Pan Gasket	PART NO. FP-6134-21-5830	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 4	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 2 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
				4.9L 298 OHV L6, 3.7402" Bore 38
		6D95L; Build Series 1AA; Eng. 6D95L; Build Series 1AA; Eng. 6D95L; Build Series 1AA; Eng. 6D95L; Build Series 1AA; Eng. 6D95L; Build Series 1BB; Eng.	Ser. No. Ser. No. Ser. No. Ser. No. Ser. No.	29222-Up; Model D31E-18; Model Ser. No. 40001-Up 29222-Up; Model D31P-18; Model Ser. No. 40001-Up 29222-Up; Model D31P-18A; Model Ser. No. 40001-Up 29222-Up; Model D31Q-18; Model Ser. No. 40001-Up 29222-Up; Model D31S-18; Model Ser. No. 40001-Up 29222-Up; Model D37E-2; From Model Ser. No. 1501 to 2500 29245-Up; Model D37P-2; From Model Ser. No. 1501 to 2500
	CAMSHAFT GROUP			
2TY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1505	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP)		
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
7 7 7 7	MAIN BEARINGS Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100	STD .25MM .50MM .75MM	DESCRIPTION
7 1 1 1 1	Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500	1.00MM STD .25MM .50MM .75MM 1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6206-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	<i>PART NO.</i> FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
	GASKETS	PART NO.	SIZE	DESCRIPTION
2 TY 1 1 1	Head Gasket Head Gasket Set Valve Cover Gasket	FP-6206-11-1830 FP-6206-K1-9901 FP-6206-11-8810		



	38 4.9L 298 OHV L6, 3.7402" Bore					
	CYL. HEAD & PARTS (cont.)					
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.		
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION		
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION		
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.		
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4410 FP-6204-41-4510	SIZE	DESCRIPTION Upper		
	CYLINDER COMPONENTS					
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION		
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK2121 FP-6207-21-2121	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION		
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6204-31-2121 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6206-K2-0901	SIZE	DESCRIPTION		
QTY 1 1	GASKETS Chemicals Oil Pan Gasket	PART NO. FP-1816593 FP-6206-21-5812	SIZE	DESCRIPTION Oil pan; RTV Sealant		
	INT & EXH MANIFOLDS					
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		



				4.9L 298 OHV L6, 3.7402" Bore 39
		6D95L; Build Series 1AC-E 6D95L; Build Series 1AC-E	; Eng. Se ; Eng. Se ; Eng. Se ; Eng. Se ; Eng. Se ; Eng. Se ; Eng. Se	er. No. 96999-Up; Model D31E-20; Model Ser. No. 40087-Up er. No. 96999-Up; Model D31E-20; Model Ser. No. A40523-Up er. No. 96999-Up; Model D31P-20; Model Ser. No. 45001-Up er. No. 96999-Up; Model D31P-20A; Model Ser. No. 45001-Up er. No. 96999-Up; Model D31PL-20; Model Ser. No. 45001-Up er. No. 96999-Up; Model D31PLL-20; Model Ser. No. 45001-Up er. No. 96999-Up; Model D37E-5; Model Ser. No. 1606-Up er. No. 96999-Up; Model D37E-5; Model Ser. No. A1924-Up
		6D95L; Build Series 1VV; E	ng. Ser. I	r. No. 96999-Up; Model D37P-5A; Model Ser. No. 1543-Up No. 69586-Up; Model D37E-2; Model Ser. No. 2501-Up No. 69586-Up; Model D37P-2; Model Ser. No. 2501-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1505	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
7 7 7 7 7 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100 FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500 FP-6204-27-8500 FP-6204-27-8500 FP-6204-26-8500	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
1	OIL PUMP Oil Pump	PART NO. FP-6206-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6206-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6204-41-4540	SIZE	DESCRIPTION
6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4410 FP-6204-41-4510	SIZE	DESCRIPTION Upper



	39 4.9L 298 OHV L6, 3.7402" Bore					
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300	SIZE STD .25MM .50MM .75MM	DESCRIPTION		
6	Connecting Rod Bearing Pair LINERS Cylinder Kit Complete Liner w/o Sealing Ring	FP-6207-36-3300 PART NO. FP-LK332140 FP-6207-21-2121	1.00MM	DESCRIPTION		
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION		
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6206-33-2140 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430		DESCRIPTION		
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6206-K2-0901		DESCRIPTION		
1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant		
	INT & EXH MANIFOLDS INT. & EXH. MANIFOLDS	PART NO.	CIZE	DESCRIPTION		
2	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		
40	4.9L 298 OHV L6, 3.7402 Excavator 6D95L; Build Series 1A; Eng. Ser. No. 10 6D95L; Build Series 1A; Eng. Ser. No. 10 6D95L; Build Series 1B; Eng. Ser. No. 29 6D95L; Build Series 1C; Eng. Ser. No. 10 CAMSHAFT GROUP	0001-Up; Model PC100 0001-Up; Model PC100 0245-Up; Model PC120	L-3; Mode -3; Model	l Ser. No. 12001-Ùp Ser. No. 18001-Up		
	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100		DESCRIPTION		
QTY 7 7 7	MAIN BEARINGS Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100	SIZE STD .25MM .50MM	DESCRIPTION		
7 7 1	Main Bearing, Flanged Main Bearing, Flanged Thrust Washer	FP-6204-27-8100 FP-6204-26-8100 FP-6204-21-8500	.75MM 1.00MM STD			
1 1 1 1	Thrust Washer Thrust Washer Thrust Washer Thrust Washer	FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500	.25MM .50MM .75MM 1.00MM			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6206-51-1201	SIZE ed on nex	DESCRIPTION		



				4.9L 298 OHV L6, 3.7402" Bore 40 (cont.)
	CRANKSHAFT/OIL PUMP (cont.)			
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6206-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 12	VALVE SPRING Valve Spring	PART NO. FP-6204-41-4410	SIZE	DESCRIPTION
12	Valve Spring Seat	FP-6204-41-4510		Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK2121 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6204-31-2121 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6206-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals Oil Pan Gasket	PART NO. FP-1816593 FP-6206-21-5812	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION



41 4.9L 298 OHV L6, 3.7402" Bore

Excavator

CAMSHAFT GROUP

QTY CAMSHAFT/LIFTER

Valve Keeper

Valve, Intake

VALVE GUIDE

Valve Guide

VALVE SEAL

VALVE SEAT

Valve Seat

Valve Seat

VALVE SPRING

Valve Spring Seat

Valve Spring

Valve Stem Seal

Valve, Exhaust

24

6

6

QTY

12

QTY

12

QTY

6

6 **QTY**

12

12

S6D95L; Build Series 1C; Eng. Ser. No. 10001-Up; Model PC150-3; Model Ser. No. 3001-Up S6D95L; Build Series 1C; Eng. Ser. No. 10001-Up; Model PC150LC-3; Model Ser. No. 3001-Up

S6D95L; Build Series 1D; Eng. Ser. No. 15060-Up; Model PW100-3; From Model Ser. No. 1601 to 2300

S6D95L; Build Series 1P; Eng. Ser. No. 27750-Up; Model PC180LC-3; Model Ser. No. 1001-Up

S6D95L; Build Series 1P; Eng. Ser. No. 27750-Up; Model PC180LC-3K; Model Ser. No. 1001-Up

S6D95L; Build Series 1P; Eng. Ser. No. 27750-Up; Model PC180LLC-3; Model Ser. No. 1001-Up

S6D95L; Build Series 1P; Eng. Ser. No. 27750-Up; Model PC180LLC-3K; Model Ser. No. 1001-Up

PART NO.

S6D95L; Build Series 1P; Eng. Ser. No. 27750-Up; Model PC180NLC-3K; Model Ser. No. 1001-Up S6D95L; Build Series 1W; Eng. Ser. No. 36830-Up; Model PW100-3; Model Ser. No. 2301-Up

12	Lifter	FP-6204-41-2110	SIZL	DESCRIPTION
	COOLING SYSTEM			
QTY 1	THERMOSTAT O-Ring	PART NO. FP-6140-11-6331	SIZE	DESCRIPTION
1	Thermostat	FP-600-421-6110		
QTY 1	WATER PUMP	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION
	Water Pump - Heavy Duty	FF-0200-01-1104		
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
7	Main Bearing, Flanged	FP-6204-21-8100	STD	DESCRIPTION
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-29-8100	.25MM	
7	Main Bearing, Flanged	FP-6204-28-8100	.50MM	
7	Main Bearing, Flanged	FP-6204-27-8100	.75MM	
7	Main Bearing, Flanged	FP-6204-26-8100	1.00MM	
1	Thrust Washer	FP-6204-21-8500	STD	
1	Thrust Washer	FP-6204-29-8500	.25MM	
1	Thrust Washer	FP-6204-28-8500	.50MM	
1	Thrust Washer	FP-6204-27-8500	.75MM	
1	Thrust Washer	FP-6204-26-8500	1.00MM	
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6207-51-1201		
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6204-21-3510		
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6141-21-1332		
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6206-11-1830		
1	Head Gasket Set	FP-6207-K1-9901		
1	Valve Cover Gasket	FP-6206-11-8810		
QTY	PUSH RODS	PART NO.	SIZE	DESCRIPTION
12	Push Rod	FP-6204-41-3110		
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
	l			

SIZE DESCRIPTION

(continued on next page)

Int. & Exh.

SIZE DESCRIPTION

SIZE DESCRIPTION

SIZE DESCRIPTION

SIZE DESCRIPTION

Upper

Exh.

FP-6204-41-4520

FP-6204-41-4210

FP-6207-41-4110

FP-6204-19-1310

FP-6204-41-4540

FP-6207-11-1430

FP-6204-41-4431

FP-6204-41-4510

PART NO.

PART NO.

PART NO. FP-6204-11-1440

PART NO.



Main Bearing, Flanged

Thrust Washer

Komatsu Off Highway

				4.9L 298 OHV L6, 3.7402" Bore 4	41 cont.)	
	CYLINDER COMPONENTS					
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION		
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK2120 FP-6207-21-2121	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6207-31-2200	SIZE	DESCRIPTION		
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6207-31-2120 FP-6207-31-2410 FP-6207-31-3130 FP-04065-03012	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6207-K2-0901	SIZE	DESCRIPTION		
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant		
	INT & EXH MANIFOLDS					
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		
	4.9L 298 OHV L6, 3.7402" Bore Excavator S6D95L; Build Series 1MM-C; Eng. Ser. No. 106426-Up; Model PC200-6Z; Model Ser. No. 80001-Up S6D95L; Build Series 1MM-C; Eng. Ser. No. 106426-Up; Model PC200LC-6Z; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200-6; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200-6A; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200-6H-A; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200LC-6A; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200LC-6H-A; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200LC-6H-A; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200LC-6H-A; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200LC-6H-A; Model Ser. No. 80001-Up					

S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC200LC-6H; Model Ser. No. 80001-Up S6D95L; Build Series 1MM; Eng. Ser. No. 106426-Up; Model PC210-6; Model Ser. No. 30001-Up

CAMSHAFT GROUP QTY CAMSHAFT/LIFTER PART NO. SIZE DESCRIPTION 12 Lifter FP-6204-41-2110 COOLING SYSTEM QTY THERMOSTAT SIZE DESCRIPTION PART NO. FP-6140-11-6331 O-Ring Thermostat FP-600-421-6360 QTY WATER PUMP PART NO. SIZE DESCRIPTION 1 Water Pump - Heavy Duty FP-6209-61-1100 **CRANKSHAFT/OIL PUMP** QTY CRANKSHAFT PART NO. SIZE DESCRIPTION Crankshaft FP-6207-31-1100 SIZE DESCRIPTION **QTY MAIN BEARINGS** PART NO. Main Bearing, Flanged FP-6204-21-8100 STD Main Bearing, Flanged .25MM 7 FP-6204-29-8100 Main Bearing, Flanged FP-6204-28-8100 .50MM 7 Main Bearing, Flanged FP-6204-27-8100 .75MM

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1.00MM

STD

FP-6204-26-8100

FP-6204-21-8500



	42 4.9L 298 OHV L6, 3.7402" Bore					
(con	CRANKSHAFT/OIL PUMP (cont.)					
	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500	SIZE .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6209-51-1700	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION		
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6207-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION		
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION		
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6209-41-4210 FP-6209-41-4110	SIZE STD	DESCRIPTION Int. & Exh.		
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION		
QTY 6	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION		
6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6209-11-1430 FP-6209-11-1440	SIZE	Int. Exh.		
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION Upper		
	CYLINDER COMPONENTS					
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3600 FP-6207-39-3600 FP-6207-37-3600 FP-6207-37-3600 FP-6207-36-3600	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK32180 FP-6207-21-2121	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6209-31-2400	SIZE	DESCRIPTION		
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6207-31-2180 FP-6207-31-2420 FP-6207-31-3530 FP-04065-03012	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6207-K2-9901	SIZE	DESCRIPTION		
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant		
	INT & EXH MANIFOLDS					
QTY 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6207-11-5810	SIZE	DESCRIPTION		
			od on nov			



4.9L 298 OHV L6, 3.7402" Bore 42

cont.)

INT	&	EXH	MAI	NIFO	LDS	(cont.)

INT. & EXH. MANIFOLDS

6 Valve Stem Seal

QTY (cont.) PART NO. SIZE DESCRIPTION
1 Intake Manifold Gasket FP-6136-11-4850

4.9L 298 OHV L6, 3.7402" Bore **43**

S6D95L; Build Series 1GG; Eng. Ser. No. 58644-Up; Model PC150-5; Model Ser. No. 6001-Up S6D95L; Build Series 1GG; Eng. Ser. No. 58644-Up; Model PC150-5; Model Ser. No. A7001-Up S6D95L; Build Series 1GG; Eng. Ser. No. 58644-Up; Model PC150LC-5; Model Ser. No. 6001-Up S6D95L; Build Series 1GG; Eng. Ser. No. 58644-Up; Model PC150LC-5; Model Ser. No. A7001-Up S6D95L; Build Series 1JJ; Eng. Ser. No. 35360-Up; Model PC200-5Z; Model Ser. No. 45001-Up S6D95L; Build Series 1KK; Eng. Ser. No. 35360-Up; Model PC200-5T; Model Ser. No. 58019-Up S6D95L; Build Series 1U-C; Eng. Ser. No. 35360-Up; Model PC200-5C; Model Ser. No. 45001-Up S6D95L; Build Series 1U; Eng. Ser. No. 35360-Up; Model PC200-5; From Model Ser. No. A47282 to A70000 S6D95L; Build Series 1U; Eng. Ser. No. 35360-Up; Model PC200-5; Model Ser. No. 45001-Up

S6D95L; Build Series 1U; Eng. Ser. No. 35360-Up; Model PC200LC-5; From Model Ser. No. A47282 to A70000

S6D95L; Build Series 1U; Eng. Ser. No. 35360-Up; Model PC200LC-5; Model Ser. No. 45001-Up

	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
<u> </u>	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
QTY 7 7 7 7	MAIN BEARINGS Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100	SIZE STD .25MM .50MM .75MM	DESCRIPTION
7 1 1 1 1	Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500	1.00MM STD .25MM .50MM	
1	Thrust Washer	FP-6204-26-8500	1.00MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6209-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6207-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6209-41-4210 FP-6209-41-4110	SIZE STD	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION

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FP-6204-41-4540



CYL HEAD & PARTS (cont.) PAGT NO. SIZE DESCRIPTION Exh.		43 4.9L 298 OHV L6, 3.7402" Bore					
OTY VALVE SEAT PART NO. SIZE DESCRIPTION Int. Valve Seat FP-8209-11-1440 Exh. Valve Spring PART NO. FP-8209-11-1440 Exh. Valve Spring PART NO. FP-8204-41-4451 Valve Spring Seat FP-8207-41-3300 Valve Spring Seat FP-8207-41-3300 Valve Spring Seat FP-8207-31-3300 Valve Spring Red Bearing Pair FP-8207-33-3300 Valve Spring Red Bearing Pair FP-8207-31-3101 Valve Spring Red Bearing Pair FP-8207-31-3101 Valve Spring Red Bearing Red Pair FP-8207-31-3101 Valve Spring Red Bearing Red		CYL. HEAD & PARTS (cont.)					
12 Valve Spring Seat	QTY 6	VALVE SEAT Valve Seat	FP-6209-11-1430	SIZE	Int.		
CYLINDER COMPONENTS	12	Valve Spring	FP-6204-41-4431	SIZE			
STRICE PART NO. SIZE DESCRIPTION		CYLINDER COMPONENTS					
6 Cliner Wo Sealing Ring FP-LK72141 CTY NSTON RINGS PART NO. FP-6207-31-2501 CTY PISTON RINGS PART NO. FP-6207-31-2501 CTY PISTON RINGS PART NO. FP-6207-31-2401 FP-6207-31-2402 FP-6207-31-2402 FP-6207-31-2402 FP-6207-31-2402 FP-6207-31-2402 FP-6207-31-2402 FP-6207-31-31-6402 FP-6207-31-31-6402 FP-6207-31-31-6402 FP-6207-31-31-6402 FP-6207-31-31-6402 Camshaft Bearing FP-6206-21-1420 FP-6206-21-1420 FP-6206-21-1420 FP-6206-21-1420 FP-6206-21-1420 FP-6206-21-1420 FP-6206-21-1420 FP-6206-21-1420 FP-6207-8-9901 FP-6207-8-9901 FP-6207-8-9901 FP-6207-8-9901 FP-6208-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-	QTY 6 6 6 6	BRGS. Connecting Rod Bearing Pair	FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	STD .25MM .50MM .75MM 1.00MM			
Fig. 58t. Single Cylinder	6	Cylinder Kit Complete	FP-LK72141	SIZE	DESCRIPTION		
Piston Body w/o Pin FP-6207-31-2141 FP-6207-31-31-310 FP-6207-31-31-310 FP-6207-31-3130 FP	6	Ring Set, Single Cylinder	FP-6207-31-2501				
QTY Camshaft Bearing	6 6 6	Piston Body w/o Pin Piston Pin Piston Pin Bushing	FP-6207-31-2141 FP-6207-31-2420 FP-6207-31-3130	SIZE	DESCRIPTION		
Camshaft Bearing		ENGINE BLOCK & PARTS					
Conversion Gasket Set	3	Camshaft Bearing	FP-6206-21-1420	SIZE	DESCRIPTION		
The color of the			-	SIZE	DESCRIPTION		
NT. & EXH. MANIFOLDS Exhaust Manifold Gasket FP-6207-11-5810 SIZE DESCRIPTION				SIZE	DESCRIPTION		
Exhaust Manifold Gasket		INT & EXH MANIFOLDS					
Excavator SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC200-5; Model Ser. No. A70001-Up SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC200LC-5; Model Ser. No. A70001-Up SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5; From Model Ser. No. A35401 to A70000 SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5; Model Ser. No. A35401 to A70000 SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5; Model Ser. No. A35401 to A70000 SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5C; Model Ser. No. A35401 to A70000 SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220-	2	Exhaust Manifold Gasket	FP-6207-11-5810	SIZE	DESCRIPTION		
CAMSHAFT/LIFTER Lifter PART NO. FP-6204-41-2110 COOLING SYSTEM O-Ring Thermostat O-Ring Thermostat FP-600-421-6110 CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft Crankshaft CAMSHAFT/LIFTER PART NO. FP-6204-41-2110 SIZE DESCRIPTION	Excavator SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC200-5; Model Ser. No. A70001-Up SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC200LC-5; Model Ser. No. A70001-Up SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5; From Model Ser. No. A35401 to A70000 SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5; Model Ser. No. 35001-Up SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5C; From Model Ser. No. A35401 to A70000 SA6D95L; Build Series 1; Eng. Ser. No. 35398-Up; Model PC220LC-5C; Model Ser. No. 35001-Up SA6D95L; Build Series 1C; Eng. Ser. No. 35398-Up; Model PC220LC-5C; Model Ser. No. 35001-Up						
COOLING SYSTEM FP-6204-41-2110 COOLING SYSTEM PART NO. SIZE DESCRIPTION O-Ring Thermostat FP-6140-11-6331 FP-600-421-6110 FP-600-421-6110 OTY WATER PUMP							
QTY THERMOSTAT O-Ring FP-6140-11-6331 Thermostat FP-600-421-6110 QTY WATER PUMP PART NO. Water Pump - Heavy Duty FP-6206-61-1104 CRANKSHAFT/OIL PUMP QTY CRANKSHAFT PART NO. Torankshaft PART NO. T				SIZE	DESCRIPTION		
1 O-Ring FP-6140-11-6331 FP-600-421-6110		COOLING SYSTEM					
1 Water Pump - Heavy Duty FP-6206-61-1104 CRANKSHAFT/OIL PUMP OTY CRANKSHAFT PART NO. SIZE DESCRIPTION FP-6207-31-1100	1	O-Ring	FP-6140-11-6331	SIZE	DESCRIPTION		
QTY 1CRANKSHAFT CrankshaftPART NO. FP-6207-31-1100SIZE DESCRIPTION DESCRIPTION				SIZE	DESCRIPTION		
1 Crankshaft FP-6207-31-1100							
			FP-6207-31-1100				



4.9L 298 OHV L6, 3.7402" Bore 44

				(cont.)
	CRANKSHAFT/OIL PUMP (cont.)			
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
7	Main Bearing, Flanged	FP-6204-21-8100	STD	
7	Main Bearing, Flanged	FP-6204-29-8100	.25MM	
7	Main Bearing, Flanged	FP-6204-28-8100	.50MM	
7	Main Bearing, Flanged	FP-6204-27-8100	.75MM	
7 1	Main Bearing, Flanged Thrust Washer	FP-6204-26-8100 FP-6204-21-8500	1.00MM STD	
1	Thrust Washer	FP-6204-29-8500	.25MM	
1	Thrust Washer	FP-6204-28-8500	.50MM	
1	Thrust Washer	FP-6204-27-8500	.75MM	
1	Thrust Washer	FP-6204-26-8500	1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6209-51-1201	SIZE	DESCRIPTION
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6206-11-1830		
1	Head Gasket Set	FP-6207-K1-9901		
1	Valve Cover Gasket	FP-6206-11-8810		
QTY 12	PUSH RODS Push Rod	<i>PART NO.</i> FP-6204-41-3110	SIZE	DESCRIPTION
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
24	Valve Keeper	FP-6204-41-4520		Int. & Exh.
6	Valve, Exhaust	FP-6209-41-4210	STD	
6	Valve, Intake	FP-6209-41-4110		
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
6	Valve Stem Seal	FP-6204-41-4540		
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
6	Valve Seat	FP-6209-11-1430		Int.
6	Valve Seat	FP-6209-11-1440		Exh.
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12	Valve Spring	FP-6204-41-4431		
12	Valve Spring Seat	FP-6204-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &	D.4.D.T.1/2	0:	PERCENTION
	BRGS.	PART NO.	SIZE	DESCRIPTION
6 6	Connecting Rod Bearing Pair	FP-6207-31-3300	STD	
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-39-3300 FP-6207-38-3300	.25MM .50MM	
6	Connecting Rod Bearing Pair	FP-6207-37-3300	.75MM	
6	Connecting Rod Bearing Pair	FP-6207-36-3300	1.00MM	
	LINERS	PART NO.		DESCRIPTION
6	Cylinder Kit Complete	FP-LK92141	SIZE	DECOMIF HON
6	Liner w/o Sealing Ring	FP-6207-21-2121		
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6207-31-2501	- JIZE	DECOMM HOW
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin	FP-6209-31-2141		
6	Piston Pin	FP-6207-31-2420		
6	Piston Pin Bushing	FP-6207-31-3130		
12	Piston Pin Retainer ENGINE BLOCK & PARTS	FP-04065-03012		
	CAM BEARINGS	DART NO	CIZE	DESCRIPTION
3	Camshaft Bearing	<i>PART NO.</i> FP-6206-21-1420	SIZE	DESCRIPTION
1	Camshaft Bearing	FP-6206-21-1420		
	GASKET SETS		CIZE	DESCRIPTION
1	Conversion Gasket Set	<i>PART NO.</i> FP-6207-K2-9901	SIZE	DESCRIPTION
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4 4 (cor	4.9L 298 OHV L6, 3.74	402" Bore		
	ENGINE BLOCK & PARTS (c	ont.)		
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
4	Excavator SA6D95L; Build Series 1; Model PC2 SA6D95L; Build Series 1J; Eng. Ser.	200-6; Model Ser. No. A8000 200LC-6; Model Ser. No. A8 210LC-6; Model Ser. No. A8 220LC-6; Model Ser. No. A8 250LC-6; Model Ser. No. A8 No. 111870-Up; Model PC2 No. 111870-Up; Model PC2	0001-Up 0001-Up 0001-Up 0001-Up 220-6; Mc 220-6Z; M 220LC-6; 220LC-6Z	dodel Ser. No. 50001-Ùp Model Ser. No. 50001-Up (; Model Ser. No. 50001-Up del Ser. No. 10001-Up
	SA6D95L; Build Series 1J; Eng. Ser.	No. 111870-Up; Model PC2	230LC-6;	Model Ser. No. 10001-Up
	CAMSHAFT GROUP			
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6204-41-2110		
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6360	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6209-61-1100	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
7 7 7 7 7 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100 FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6209-51-1700	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6207-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6209-41-4210 FP-6209-41-4110	SIZE STD	DESCRIPTION Int. & Exh.



				4.9L 298 OHV L6, 3.7402" Bore 45 (cont.)
	CYL. HEAD & PARTS (cont.)			
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 6	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6209-11-1430 FP-6209-11-1440	SIZE	DESCRIPTION Int. Exh.
	VALVE SPRING Valve Spring	PART NO. FP-6204-41-4431	SIZE	DESCRIPTION
12	Valve Spring Seat	FP-6204-41-4510		Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3600 FP-6207-39-3600 FP-6207-38-3600 FP-6207-37-3600 FP-6207-36-3600	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK92180 FP-6207-21-2121	SIZE	DESCRIPTION
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6209-31-2400	SIZE	DESCRIPTION
6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6209-31-2180 FP-6207-31-2420 FP-6207-31-3530 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6207-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
	SAA6D95 SAA6D95 SAA6D95 SAA6D95 SAA6D95 SAA6D95 SAA6D95	LE; Build Series 1A-C; Er LE; Build Series 1A; Eng. LE; Build Series 1B; Eng.	ng. Ser. No. Ser. No. Ser. No. Ser. No. Ser. No. Ser. No.	4.9L 298 OHV L6, 3.7402" Bore Excavator No. 150915-Up; Model PC200-6Z; Model Ser. No. 80001-Up No. 150915-Up; Model PC200LC-6Z; Model Ser. No. 80001-Up 150915-Up; Model PC210-6; Model Ser. No. 30001-Up 150915-Up; Model PC220-6; Model Ser. No. 50001-Up 150915-Up; Model PC220-6Z; Model Ser. No. 50001-Up 150915-Up; Model PC220LC-6; Model Ser. No. 50001-Up 150915-Up; Model PC220LC-6Z; Model Ser. No. 50001-Up 150915-Up; Model PC230-6; Model Ser. No. 10001-Up 150915-Up; Model PC230LC-6; Model Ser. No. 10001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6360	SIZE	DESCRIPTION
		(continuo		



4 (cor		2" Bore			
	COOLING SYSTEM (cont.)				
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6209-61-1100	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION	
QTY 7	MAIN BEARINGS Main Bearing, Flanged	PART NO. FP-6204-21-8100	SIZE STD		
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-29-8100 FP-6204-28-8100	.25MM .50MM		
7	Main Bearing, Flanged	FP-6204-27-8100	.75MM 1.00MM		
1	Main Bearing, Flanged Thrust Washer	FP-6204-26-8100 FP-6204-21-8500	STD		
1	Thrust Washer	FP-6204-29-8500	.25MM		
1	Thrust Washer	FP-6204-28-8500	.50MM		
1	Thrust Washer Thrust Washer	FP-6204-27-8500 FP-6204-26-8500	.75MM 1.00MM		
	OIL PUMP	PART NO.	SIZE		
1	Oil Pump	FP-6209-51-1700			
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510		DESCRIPTION	
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION	
	CYL. HEAD & PARTS				
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION	
1	Head Gasket	FP-6206-11-1830			
1	Head Gasket Set	FP-6207-K1-9901			
1	Valve Cover Gasket	FP-6206-11-8810	0175	DECODIREION	
12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION	
	VALVE	PART NO.	SIZE		
24 6	Valve Keeper Valve, Exhaust	FP-6204-41-4520 FP-6209-41-4210	STD	Int. & Exh.	
6	Valve, Intake	FP-6209-41-4110	310		
OTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION	
12	Valve Guide	FP-6204-19-1310	0.22		
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION	
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION	
6	Valve Seat	FP-6209-11-1430		Int.	
6 OTV	Valve Seat	FP-6209-11-1440	0:75	Exh.	
QTY 12	VALVE SPRING Valve Spring	<i>PART NO.</i> FP-6204-41-4431	SIZE	DESCRIPTION	
12	Valve Spring Seat	FP-6204-41-4510		Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS &	D407.00		PEOPLETICAL	
	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3600	SIZE STD	DESCRIPTION	
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6207-31-3600 FP-6207-39-3600	.25MM		
6	Connecting Rod Bearing Pair	FP-6207-38-3600	.50MM		
6	Connecting Rod Bearing Pair	FP-6207-37-3600	.75MM		
6	Connecting Rod Bearing Pair	FP-6207-36-3600	1.00MM		
	LINERS Cylinder Kit Complete	PART NO.	SIZE	DESCRIPTION	
6 6	Cylinder Kit Complete Liner w/o Sealing Ring	FP-LK92180 FP-6207-21-2121			
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6209-31-2400	SIZE	DESCRIPTION	
	PISTONS	PART NO.	SIZE	DESCRIPTION	
6	Piston Body w/o Pin	FP-6209-31-2180	UILL.		
6	Piston Pin	FP-6207-31-2420			
6	Piston Pin Bushing	FP-6207-31-3530			
12	Piston Pin Retainer	FP-04065-03012			



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				4.9L 298 OHV L6, 3.7402" Bore 4
	ENGINE BLOCK & PARTS			
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6207-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
		000FL D 1110 : 411	0	4.9L 298 OHV L6, 3.7402" Bore <i>Grader</i>
	CAMSHAFT GROUP	6D95L; Build Series 1HF	ı; ∟ng. Se	er. No. 96999-Up; Model GD305A-1A; Model Ser. No. 6734-Up
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6204-41-2110	JIZE	DECOME NON
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1505	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6204-21-8100 FP-6204-29-8100	STD .25MM	
7	Main Bearing, Flanged	FP-6204-28-8100	.50MM	
7	Main Bearing, Flanged	FP-6204-27-8100	.75MM	
7	Main Bearing, Flanged	FP-6204-26-8100	1.00MM	
1	Thrust Washer	FP-6204-21-8500	STD	
1	Thrust Washer Thrust Washer	FP-6204-29-8500 FP-6204-28-8500	.25MM .50MM	
1	Thrust Washer	FP-6204-27-8500	.75MM	
1	Thrust Washer	FP-6204-26-8500		
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6206-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	<i>PART NO.</i> FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1	GASKETS Head Gasket Head Gasket Set	PART NO. FP-6206-11-1830 FP-6207-K1-9901	SIZE	DESCRIPTION
1	Valve Cover Gasket	FP-6206-11-8810		
12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110		DESCRIPTION
	VALVE	PART NO.	SIZE	DESCRIPTION
24 6 6	Valve Keeper Valve, Exhaust Valve, Intake	FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110		Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
_	· · · · · · · · · · · · · · · · · · ·	(continue		



4 7	7 4.9L 298 OHV L6, 3.7402	2" Bore		
	CYL. HEAD & PARTS (cont.)			
	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4410 FP-6204-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK332140 FP-6207-21-2121		DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6206-33-2140 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6202-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
48	8 4.9L 298 OHV L6, 3.7402 Grader S6D95L; Build Series 1L; Eng. Ser. No. 2 S6D95L; Build Series 1Q; Eng. Ser. No. 2 CAMSHAFT GROUP	2170-Up; Model GD51		
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
7 7 7 7 7 7 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-27-8100 FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM	DESCRIPTION
1	I nrust Washer	FP-6204-29-8500	.25MM	



				4.9L 298 OHV L6, 3.7402" Bore 48 (cont.)
	CRANKSHAFT/OIL PUMP (cont.)			· ·
QTY 1 1	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500	SIZE .50MM .75MM 1.00MM	DESCRIPTION
	OIL PUMP Oil Pump	PART NO. FP-6207-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6207-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6204-41-4540	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12 12	Valve Spring Valve Spring Seat	FP-6204-41-4431 FP-6204-41-4510		Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK2120 FP-6207-21-2121		DESCRIPTION
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6207-31-2200	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6207-31-2120 FP-6207-31-2410 FP-6207-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6207-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6207-11-5810	SIZE	DESCRIPTION



4 8 (cor		2" Bore		
	INT & EXH MANIFOLDS (cont.)			
	INT. & EXH. MANIFOLDS (cont.) Intake Manifold Gasket	PART NO. FP-6136-11-4850	SIZE	DESCRIPTION
49	9 4.9L 298 OHV L6, 3.7402 Wheel Loader 6D95L; Build Series 1L; Eng. Ser. No. 10 6D95L; Build Series 1L; Eng. Ser. No. 10 6D95L; Build Series 1Z; Eng. Ser. No. 26	0001-Up; Model WA100 0001-Up; Model WA100	-3; Model	Ser. No. 10001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
7 7 7 7 7 1 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500 FP-6204-26-8500	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6206-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6206-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4410 FP-6204-41-4510	SIZE	DESCRIPTION Upper
		(continue		t naga)



4.9L 298 OHV L6, 3.7402" Bore	49
	(cont.)

				(cont.)
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6207-31-3300	STD	
6	Connecting Rod Bearing Pair	FP-6207-39-3300	.25MM	
6	Connecting Rod Bearing Pair	FP-6207-38-3300	.50MM	
6	Connecting Rod Bearing Pair	FP-6207-37-3300	.75MM	
6	Connecting Rod Bearing Pair	FP-6207-36-3300	1.00MM	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION
6	Cylinder Kit Complete	FP-LK2121		
6	Liner w/o Sealing Ring	FP-6207-21-2121		
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6204-31-2203		
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin	FP-6204-31-2121		
6	Piston Pin	FP-6204-31-2410		
6	Piston Pin Bushing	FP-6204-31-3130		
12	Piston Pin Retainer	FP-04065-03012		
	ENGINE BLOCK & PARTS			
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
3	Camshaft Bearing	FP-6206-21-1420		
1	Camshaft Bearing	FP-6206-21-1430		
QTY	GASKET SETS	PART NO.	SIZE	DESCRIPTION
1	Conversion Gasket Set	FP-6206-K2-0901		
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Chemicals	FP-1816593		Oil pan; RTV Sealant
1	Oil Pan Gasket	FP-6206-21-5812		•
	INT & EXH MANIFOLDS			
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
2	Exhaust Manifold Gasket	FP-6207-11-5810		
1	Intake Manifold Gasket	FP-6136-11-4850		
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4.9L 298 OHV L6, 3.7402" Bore Wheel Loader

6D95L; Build Series 1AF-1; Eng. Ser. No. 96999-Up; Model WA120-3; From Model Ser. No. 50001 to 52999

	· · · · · · · · · · · · · · · · · · ·	, ,		17
	CAMSHAFT GROUP			
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6204-41-2110		
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6140-11-6331		
1	Thermostat	FP-600-421-6110		
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6206-61-1505		
	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6207-31-1100		
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
7	Main Bearing, Flanged	FP-6204-21-8100	STD	
7	Main Bearing, Flanged	FP-6204-29-8100	.25MM	
7	Main Bearing, Flanged	FP-6204-28-8100	.50MM	
7	Main Bearing, Flanged	FP-6204-27-8100	.75MM	
7	Main Bearing, Flanged	FP-6204-26-8100	1.00MM	
1	Thrust Washer	FP-6204-21-8500	STD	
1	Thrust Washer	FP-6204-29-8500	.25MM	
1	Thrust Washer	FP-6204-28-8500	.50MM	
1	Thrust Washer	FP-6204-27-8500	.75MM	
1	Thrust Washer	FP-6204-26-8500	1.00MM	
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6206-51-1201		
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6204-21-3510		



5(2" Bore		
	CRANKSHAFT/OIL PUMP (cont.)			
	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6206-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6204-41-4540	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4410 FP-6204-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK332141 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6204-31-2203	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6206-33-2141 FP-6204-31-2410 FP-6204-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6206-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	PART NO. FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION



4.9L 298 OHV L6, 3.7402" Bore 51

Wheel Loader

S6D95L; Build Series 1B; Eng. Ser. No. 10001-Up; Model WA150-1; Model Ser. No. 10001-Up S6D95L; Build Series 1B; Eng. Ser. No. 10001-Up; Model WA150-1A; Model Ser. No. 10001-Up S6D95L; Build Series 1M; Eng. Ser. No. 26330-Up; Model WA180-1; Model Ser. No. 10001-Up S6D95L; Build Series 1M; Eng. Ser. No. 26330-Up; Model WA180-1; Model Ser. No. A10375-Up

				er. No. 26330-Up; Model WA180-1; Model Ser. No. A10375-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6204-41-2110	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6140-11-6331 FP-600-421-6110	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6206-61-1104	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6207-31-1100	SIZE	DESCRIPTION
7 7 7 7 7 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-28-8100 FP-6204-28-8100 FP-6204-26-8100 FP-6204-21-8500 FP-6204-29-8500 FP-6204-28-8500 FP-6204-27-8500 FP-6204-26-8500	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6207-51-1201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6204-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6141-21-1332	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6206-11-1830 FP-6207-K1-9901 FP-6206-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6204-41-3110	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6204-41-4520 FP-6204-41-4210 FP-6207-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6204-19-1310	SIZE	DESCRIPTION
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6204-41-4540	SIZE	DESCRIPTION
6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6204-11-1440 FP-6207-11-1430	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6204-41-4431 FP-6204-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6207-31-3300 FP-6207-39-3300 FP-6207-38-3300 FP-6207-37-3300 FP-6207-36-3300	SIZE <i>STD .25MM .50MM .75MM 1.00MM</i>	DESCRIPTION



5 (cor	-	l02" Bore		
	CYLINDER COMPONENTS (c	ont.)		
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	PART NO. FP-LK2120 FP-6207-21-2121	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6207-31-2200	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6207-31-2120 FP-6207-31-2410 FP-6207-31-3130 FP-04065-03012	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 3 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6206-21-1420 FP-6206-21-1430	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6207-K2-0901	SIZE	DESCRIPTION
QTY 1	GASKETS Chemicals	<i>PART NO.</i> FP-1816593	SIZE	DESCRIPTION Oil pan; RTV Sealant
	INT & EXH MANIFOLDS			
QTY 2 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6207-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
				8; From Model Ser. No. 50001 to 52999 8X; From Model Ser. No. 50001 to 52999 1; From Model Ser. No. 50001 to 52999
	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP	Ser. No. 106426-Up; Model Ser. No. 106426-Up; Model	WA250-3 WA250-3	3X; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 IX; From Model Ser. No. 50001 to 52999
QTY 12	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S	Ser. No. 106426-Up; Model	WA250-3 WA250-3	3X; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999
12	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM	Ser. No. 106426-Up; Model Ser. No. 106426-Up; Model PART NO. FP-6204-41-2110	WA250-3 WA250-3 SIZE	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 IX; From Model Ser. No. 50001 to 52999 DESCRIPTION
12	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter	Ser. No. 106426-Up; Model Ser. No. 106426-Up; Model	WA250-3 WA250-3 SIZE	3X; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 IX; From Model Ser. No. 50001 to 52999
12 QTY 1 1	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring	PART NO. FP-6138-11-6810	WA250-3 WA250-3 SIZE	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 IX; From Model Ser. No. 50001 to 52999 DESCRIPTION
12 QTY 1 1	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP	PART NO. FP-6138-11-6810 FP-600-421-6360 PART NO.	WA250-3 WA250-3 SIZE	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 tX; From Model Ser. No. 50001 to 52999 DESCRIPTION DESCRIPTION
QTY 1 1 QTY 1	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6138-11-6810 FP-600-421-6360 PART NO.	WA250-3 WA250-3 SIZE SIZE	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 tX; From Model Ser. No. 50001 to 52999 DESCRIPTION DESCRIPTION
QTY 1 QTY 1 QTY 7 7 7 7 1 1 1 1 1 1	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6204-41-2110 PART NO. FP-6138-11-6810 FP-600-421-6360 PART NO. FP-6209-61-1100 PART NO. FP-6204-21-8100 FP-6204-22-8100 FP-6204-28-8100 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500	WA250-3 WA250-3 WA250-3 SIZE SIZE SIZE SIZE STD .25MM .50MM .75MM 0.STD .25MM .50MM 1.00MM	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 XX; From Model Ser. No. 50001 to 52999 DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION
QTY 1 QTY 1 QTY 7 7 7 7 1 1 1 1 QTY 1	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged Thrust Washer	PART NO. FP-6204-21-8100 FP-6204-21-8100 FP-6204-21-8100 FP-6204-21-8100 FP-6204-21-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-29-8100 FP-6204-28-8100 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500	WA250-3 WA250-3 WA250-3 SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 XX; From Model Ser. No. 50001 to 52999 DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION
QTY 1 QTY 1 QTY 1 QTY 7 7 7 7 1 1 1 QTY 1 QTY 1	S6D95L; Build Series 1PP-25; Eng. S S6D95L; Build Series 1PP-25; Eng. S CAMSHAFT GROUP CAMSHAFT/LIFTER Lifter COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged Thrust Washer	PART NO. FP-6204-41-2110 PART NO. FP-6138-11-6810 FP-600-421-6360 PART NO. FP-6209-61-1100 PART NO. FP-6204-21-8100 FP-6204-22-8100 FP-6204-28-8100 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500 FP-6204-28-8500	WA250-3 WA250-3 WA250-3 SIZE SIZE SIZE SIZE SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM 1.00MM SIZE SIZE	BX; From Model Ser. No. 50001 to 52999 t; From Model Ser. No. 50001 to 52999 XX; From Model Ser. No. 50001 to 52999 DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION



				4.9L 298 OHV L6, 3.7402" Bore 52		
	CVI LIFAD & DADTO			(cont.)		
	CYL. HEAD & PARTS					
	GASKETS	PART NO.	SIZE	DESCRIPTION		
1 1	Head Gasket Head Gasket Set	FP-6206-11-1830 FP-6207-K1-9901				
	Valve Cover Gasket	FP-6207-K1-9901 FP-6206-11-8810				
	PUSH RODS	PART NO.	SIZE	DESCRIPTION		
12	Push Rod	FP-6204-41-3110				
	VALVE	PART NO.	SIZE	DESCRIPTION		
24	Valve Keeper	FP-6204-41-4520	OTD	Int. & Exh.		
6	Valve, Exhaust Valve, Intake	FP-6209-41-4210 FP-6209-41-4110	STD			
	·					
QTY 12	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6204-19-1310	SIZE	DESCRIPTION		
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION		
6	Valve Stem Seal	FP-6204-41-4540				
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
6	Valve Seat	FP-6209-11-1430		Int.		
6	Valve Seat	FP-6209-11-1440		Exh.		
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12	Valve Spring	FP-6204-41-4431		Haran		
12	Valve Spring Seat	FP-6204-41-4510		Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS &					
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION		
6	Connecting Rod Bearing Pair	FP-6207-31-3600	STD			
6	Connecting Rod Bearing Pair	FP-6207-39-3600	.25MM			
6	Connecting Rod Bearing Pair	FP-6207-38-3600	.50MM			
6	Connecting Rod Bearing Pair	FP-6207-37-3600	.75MM			
6	Connecting Rod Bearing Pair	FP-6207-36-3600	1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Cylinder Kit Complete	FP-LK72121				
_	Liner w/o Sealing Ring	FP-6207-21-2121				
QTY 6	PISTON RINGS	<i>PART NO.</i> FP-6207-31-2501	SIZE	DESCRIPTION		
	Ring Set, Single Cylinder		0:==	DECODIDEION		
	PISTONS Piston Body w/o Pin	PART NO.	SIZE	DESCRIPTION		
6	Piston Pin	FP-6207-31-2121 FP-6207-31-2420				
6	Piston Pin Bushing	FP-6207-31-3530				
12	Piston Pin Retainer	FP-04065-03012				
	ENGINE BLOCK & PARTS					
OTV	CAM BEARINGS	DARTNO	CIZE	DECORIDATION		
3	Camshaft Bearing	<i>PART NO.</i> FP-6206-21-1420	SIZE	DESCRIPTION		
1	Camshaft Bearing	FP-6206-21-1430				
	GASKET SETS	PART NO.	SIZE	DESCRIPTION		
1	Conversion Gasket Set	FP-6207-K2-0901	SIZE	DEGGIII HON		
	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Chemicals	FP-1816593	JIZE	Oil pan; RTV Sealant		
				- p ,		
071	INT & EXH MANIFOLDS	DARTHO	0:==	DECODIDETION		
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION		
2	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6207-11-5810 FP-6136-11-4850				
⊢'	mane maillou dashet	11 -0100-11-4000				
				5.9L 359 OHV L6, 4.0197" Bore 53		
	2-2-	00E- B-31-10 1 185	F 0	Dozer		
	S6D1	UZE; Build Series 1BB;	∟ng. Ser.	No. 26255384-Up; Model D41E-6K; Model Ser. No. 50001-Up		
	CAMSHAFT GROUP					
QTY	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION		
12	Lifter	FP-6732-41-2112				
	COOLING SYSTEM					
OTY	THERMOSTAT	DARTNO	CIZE	DESCRIPTION		
QIY 1	O-Ring	<i>PART NO.</i> FP-6732-61-6240	SIZE	DESCRIP HON		
1	Thermostat	FP-6732-61-1620		From Eng. Ser. No. 26255384 to 30707204		
	(continued on next page)					



5:	53 5.9L 359 OHV L6, 4.0197" Bore								
	(cont.)								
`	,								
	COOLING SYSTEM (cont.)								
	THERMOSTAT (cont.)	PART NO.	SIZE	DESCRIPTION					
1	Thermostat	FP-6735-61-1690		Eng. Ser. No. 30707205-Up					
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION					
1	Water Pump - Heavy Duty	FP-6736-61-1202							
	CRANKSHAFT/OIL PUMP								
OTV	CRANKSHAFT	PART NO.	CIZE	DESCRIPTION					
1	Crankshaft	FP-6735-01-1310	SIZE	DESCRIPTION					
			CIZE	DECORIDATION					
1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6735-21-8100	SIZE STD	DESCRIPTION					
	Main Bearing Set	FP-6736-29-8100	.25MM						
1	Main Bearing Set	FP-6736-28-8100	.50MM						
1	Main Bearing Set	FP-6736-27-8100	.75MM						
1	Main Bearing Set	FP-6736-26-8100	1.00MM						
1	Thrust Washer	FP-6731-21-8610	.50MM						
1	Thrust Washer	FP-6731-21-8620	1.00MM						
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION					
1	Oil Pump	FP-6731-51-1111							
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION					
1	Oil Seal	FP-6731-21-4220							
1	Oil Seal Kit	FP-6736-39-1221							
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION					
1	Oil Seal	FP-6735-K2-3001							
1	Oil Seal	FP-6736-39-1130		Wet housing					
1	Oil Seal Kit	FP-6736-39-1140		Dry housing					
	CYL. HEAD & PARTS								
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION					
1	Head Gasket	FP-6735-11-1821	0	2-00:					
1	Head Gasket Set	FP-6731-11-9980							
6	Valve Cover Gasket	FP-6732-11-8181							
QTY	VALVE	PART NO.	SIZE	DESCRIPTION					
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.					
6	Valve, Exhaust	FP-6736-41-4210							
6	Valve, Intake	FP-6736-41-4110							
	VALVE GUIDE	PART NO.	SIZE						
12	Valve Guide	FP-6736-18-1310		Int. & Exh.; Thin wall					
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM					
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM					
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION					
12	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.					
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION					
6	Valve Seat	FP-6732-11-1170		Exh.					
6	Valve Seat	FP-6732-11-1180		Int.					
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION					
12	Valve Spring	FP-6732-41-4430		Llaner					
12	Valve Spring Seat	FP-6732-41-4510		Upper					
	CYLINDER COMPONENTS								
	CONNECTING RODS &								
	BRGS.	PART NO.	SIZE	DESCRIPTION					
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD						
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM						
12	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM						
12 12	Rod Bearing Half Upper/Lower	FP-6736-37-3400	.75MM 1.00MM						
	Rod Bearing Half Upper/Lower	FP-6736-36-3400		DECORIDEION					
	LINERS	PART NO.	SIZE	DESCRIPTION					
6	Liner w/o Sealing Ring	FP-6736-29-2110							
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION					
6	Ring Set, Single Cylinder	FP-6738-31-2031	STD						
	PISTONS	PART NO.	SIZE	DESCRIPTION					
6	Piston Body w/o Pin	FP-6735-31-2111	STD						
6	Piston Pin	FP-6731-31-2410							
6 12	Piston Pin Bushing Piston Pin Retainer	FP-6732-31-3131							
12	FISIUII FIII NEIAIIIEI	FP-6732-31-2420							



V	DIESEL®			Romatsu Off Highway
				5.9L 359 OHV L6, 4.0197" Bore 53 (cont.)
	CYLINDER COMPONENTS	(cont.)		
2TY 6	PISTONS (cont.) Piston w/Retainer & Rings	<i>PART NO.</i> FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PARTS			
2 TY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
<u>'</u> 2 TY 1	GASKET SETS Conversion Gasket Set	FP-6732-21-1411 PART NO. FP-6735-01-1210		DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
	FUEL SYSTEM & PARTS			
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6735-11-3120 FP-6134-11-3150	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION
				5.9L 359 OHV L6, 4.0197" Bore 54
				929 to 26255383; Model D41E-6K-B; Model Ser. No. 50001-Up 929 to 26255383; Model D41E-6K; Model Ser. No. 50001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	<i>PART NO.</i> FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6736-61-1202	SIZE	DESCRIPTION
	CDANKSHAET/OIL DIIMD			

	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6732-41-2112		
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6732-61-6240		
1	Thermostat	FP-6732-61-1620		
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6736-61-1202		
	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6735-01-1310		
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Main Bearing Set	FP-6735-21-8100	STD	
1	Main Bearing Set	FP-6736-29-8100	.25MM	
1	Main Bearing Set	FP-6736-28-8100	.50MM	
1	Main Bearing Set	FP-6736-27-8100	.75MM	
1	Main Bearing Set	FP-6736-26-8100	1.00MM	
1	Thrust Washer	FP-6731-21-8610	.50MM	
1	Thrust Washer	FP-6731-21-8620	1.00MM	
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6731-51-1111		
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6731-21-4220		
1	Oil Seal Kit	FP-6736-39-1221		
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6735-K2-3001		
1	Oil Seal	FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6735-11-1821		
1	Head Gasket Set	FP-6731-11-9980		
6	Valve Cover Gasket	FP-6732-11-8181		
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_	54 5.9L 359 OHV L6, 4.0197" Bore				
	CYL. HEAD & PARTS (cont.)				
	VALVE	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
12	CYLINDER COMPONENTS	17-0732-41-4310		Оррег	
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow	
QTY	Camshaft Bearing GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210		Wide DESCRIPTION	
QTY 1 1	GASKETS Oil Pan Gasket Oil Pan Gasket	PART NO. FP-6735-21-5661 FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3120 FP-6732-11-3140	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
5	5.9L 359 OHV L6, 4.0197 <i>Dozer</i> S6D102E; Build Series 1BB; Eng. Ser. No.		l D41E-6k	K-B; Model Ser. No. 50001-Up	
	CAMSHAFT GROUP				
	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	



				5.9L 359 OHV L6, 4.0197" Bore 55 (cont.)
	COOLING SYSTEM			(1111)
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6732-61-6240		0 W
1	Thermostat Thermostat	FP-6732-61-1620 FP-6735-61-1690		From Eng. Ser. No. 26255384 to 30707204 Eng. Ser. No. 30707205-Up
	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6736-61-1202	OIZL	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6735-01-1310		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1 1	Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100	STD .25MM	
1	Main Bearing Set	FP-6736-28-8100	.50MM	
Ιi	Main Bearing Set	FP-6736-27-8100	.75MM	
1	Main Bearing Set	FP-6736-26-8100	1.00MM	
1	Thrust Washer	FP-6731-21-8610	.50MM	
1	Thrust Washer	FP-6731-21-8620	1.00MM	
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6731-51-1111		
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6731-21-4220		
1 OTV	Oil Seal Kit	FP-6736-39-1221	CIZE	DESCRIPTION
QIY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION
;	Oil Seal	FP-6736-39-1130		Wet housing
li	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS	1. 0.00 00 1110		
OTY		DARTNO	CIZE	DESCRIPTION
QTY 1	GASKETS Head Gasket	<i>PART NO.</i> FP-6735-11-1821	SIZE	DESCRIPTION
	Head Gasket Set	FP-6735-11-1621 FP-6731-11-9980		
6	Valve Cover Gasket	FP-6732-11-8181		
	VALVE	PART NO.	SIZE	DESCRIPTION
24	Valve Keeper	FP-6732-41-4520	SIZE	Int. & Exh.
6	Valve, Exhaust	FP-6736-41-4210		THE CLEAN
6	Valve, Intake	FP-6736-41-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
12	Valve Guide	FP-6736-18-1310		Int. & Exh.; Thin wall
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
12	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.
	VALVE SEAT	PART NO.	SIZE	
6	Valve Seat	FP-6732-11-1170		Exh.
6 OTV	Valve Seat	FP-6732-11-1180	0:3-	Int.
QTY 12	VALVE SPRING Valve Spring	PART NO. FP-6732-41-4430	SIZE	DESCRIPTION
12	Valve Spring Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			··
	CONNECTING RODS &			
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD	
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM	
12	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM	
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-37-3400 FP-6736-36-3400	.75MM 1.00MM	
	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6738-31-2031	STD	DESCRIPTION
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin	FP-6735-31-2111	STD	-
6	Piston Pin	FP-6731-31-2410		
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S.5.91, 359 OHV L6, 4.0197" Bore						
OTY PISTONS PART NO.		-	7" Bore			
OTY PISTONS PART NO.		CYLINDER COMPONENTS (cont.	.)			
ENGINE BLOCK & PARTS OTY CAM BEARINGS FACTOR FACTOR	QTY 6 12	PISTONS (cont.) Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6732-31-3131 FP-6732-31-2420		DESCRIPTION	
Cambatt Bearing						
1 Camshaft Bearing			PART NO.	SIZE	DESCRIPTION	
Townstand P-6735-01-1210	6 1	Camshaft Bearing Camshaft Bearing	FP-6736-29-1420 FP-6732-21-1410		2-3-4-5; O/S Narrow	
1 Oil Pan Gasket FP-6735-21-5661 Oil pan	1	Conversion Gasket Set	-	SIZE	DESCRIPTION	
				SIZE		
Final Company		INT & EXH MANIFOLDS				
Dozer S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41A-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41E-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41E-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41P-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41P-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41P-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41P-6; Model Ser. No. B20001-Up S6D102E; Build Series 1-Z; Eng. Ser. No. 30707205-Up; Model D41P-6; Model Ser. No. B20001-Up S6D102E S6D102	6	Exhaust Manifold Gasket	FP-6736-11-5810	SIZE	DESCRIPTION	
CAMSHAFT/LIFTER		Dozer S6D102E; Build Series 1-Z; Eng. Ser. No S6D102E; Build Series 1-Z; Eng. Ser. No S6D102E; Build Series 1-Z; Eng. Ser. No	. 30707205-Up; Model . 30707205-Up; Model	D41E-6; I	Model Ser. No. B20001-Up	
			PART NO.	SIZE	DESCRIPTION	
THERMOSTAT			-			
1 C-Ring						
Water Pump - Heavy Duty	1	O-Ring	FP-6732-61-6240	SIZE	DESCRIPTION	
QTY CRANKSHAFT		=		SIZE	DESCRIPTION	
Crankshaft		CRANKSHAFT/OIL PUMP				
Main Bearing Set			-	SIZE	DESCRIPTION	
1 Oil Pump FP-6731-51-1111	1 1 1 1 1 1	Main Bearing Set Thrust Washer	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610	STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION	
1				SIZE	DESCRIPTION	
1 Oil Seal FP-6735-K2-3001 1 Oil Seal FP-6736-39-1130 Wet housing Dry housing Dry housing CYL. HEAD & PARTS CYL. HEAD & PART NO. I Head Gasket I FP-6735-11-1821 I Head Gasket Set I Head Gasket Set I FP-6731-11-9980 I Valve Cover Gasket I FP-6732-11-8181 CYY VALVE Valve Keeper I PART NO. SIZE DESCRIPTION Int. & Exh.	1	Oil Seal	FP-6731-21-4220	SIZE	DESCRIPTION	
QTY GASKETS PART NO. SIZE DESCRIPTION 1 Head Gasket FP-6735-11-1821 FP-6731-11-9980 6 Valve Cover Gasket FP-6732-11-8181 QTY VALVE PART NO. SIZE DESCRIPTION 24 Valve Keeper FP-6732-41-4520 Int. & Exh.	1 1 1	Oil Seal Oil Seal Oil Seal Kit	FP-6735-K2-3001 FP-6736-39-1130	SIZE	Wet housing	
1 Head Gasket FP-6735-11-1821 1 Head Gasket Set FP-6731-11-9980 6 Valve Cover Gasket FP-6732-11-8181 QTY VALVE PART NO. SIZE DESCRIPTION 24 Valve Keeper FP-6732-41-4520 Int. & Exh.						
24 Valve Keeper FP-6732-41-4520 Int. & Exh.	1 1 6	Head Gasket Head Gasket Set Valve Cover Gasket	FP-6735-11-1821 FP-6731-11-9980	SIZE	DESCRIPTION	
			FP-6732-41-4520		Int. & Exh.	



				5.9L 359 OHV L6, 4.0197" Bore 56 (cont.)
	CYL. HEAD & PARTS (cont.)			(cont.)
QTY 6 6	VALVE (cont.) Valve, Exhaust Valve, Intake	PART NO. FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM	DESCRIPTION
QTY	Rod Bearing Half Upper/Lower	PART NO.	1.00MM SIZE	DESCRIPTION
6 QTY 6	Liner w/o Sealing Ring PISTON RINGS Ring Set, Single Cylinder	FP-6736-29-2110 PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PARTS		<u> </u>	
1 6 1 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing GASKET SETS	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411 PART NO.	SIZE STD STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide DESCRIPTION
1	Conversion Gasket Set	FP-6735-01-1210		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
071	FUEL SYSTEM & PARTS	D4DT4/2	0:==	DEGODINATION
QTY 6	FUEL INJECTION Fuel Injector - New	PART NO. FP-6735-11-3130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION
			S6D102;	5.9L 359 OHV L6, 4.0197" Bore Excavator Build Series 1; Model PC200-6; Model Ser. No. A82001-Up Build Series 1; Model PC200LC-6; Model Ser. No. A82001-Up Build Series 1; Model PC210LC-6; Model Ser. No. A82001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION



5	57 5.9L 359 OHV L6, 4.0197" Bore					
(cor	(cont.)					
	COOLING SYSTEM					
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1	O-Ring Thermostat	FP-6732-61-6240 FP-6735-61-1690				
	WATER PUMP	PART NO.	CIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6736-61-1202	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1	Crankshaft	FP-6735-01-1310	OILL	DESCRIPTION		
QTY	MAIN BEARINGS	PART NO.		DESCRIPTION		
1	Main Bearing Set	FP-6735-21-8100	STD			
1 1	Main Bearing Set Main Bearing Set	FP-6736-29-8100 FP-6736-28-8100	.25MM .50MM			
i	Main Bearing Set	FP-6736-27-8100	.75MM			
1	Main Bearing Set	FP-6736-26-8100	1.00MM			
1	Thrust Washer	FP-6731-21-8610	.50MM			
1	Thrust Washer	FP-6731-21-8620	1.00MM			
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6731-51-1111	SIZE	DESCRIPTION		
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6731-21-4220	OLLL	BESONIII TION		
1	Oil Seal Kit	FP-6736-39-1221				
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6735-K2-3001		Mak la sustant		
1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing		
	CYL. HEAD & PARTS	11 0100 00 1110		2.y nousing		
	GASKETS	DARTNO	CIZE	DESCRIPTION		
1	Head Gasket	<i>PART NO.</i> FP-6735-11-1821	SIZE	DESCRIPTION		
1	Head Gasket Set	FP-6731-11-9980				
6	Valve Cover Gasket	FP-6732-11-8181				
QTY	VALVE	PART NO.	SIZE	DESCRIPTION		
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.		
6	Valve, Exhaust	FP-6736-41-4210				
6	Valve, Intake	FP-6736-41-4110				
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION Let & Evel a Thin well		
12 6	Valve Guide Valve Guide	FP-6736-18-1310 FP-6736-19-1310		Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM		
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM		
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION		
12	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.		
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
6	Valve Seat	FP-6732-11-1170		Exh.		
6	Valve Seat	FP-6732-11-1180		Int.		
	VALVE SPRING Valve Spring	PART NO.	SIZE	DESCRIPTION		
12 12	Valve Spring Valve Spring Seat	FP-6732-41-4430 FP-6732-41-4510		Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS &					
	BRGS.	PART NO.	SIZE	DESCRIPTION		
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD			
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM			
12 12	Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM			
12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-36-3400	.75WW 1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Liner w/o Sealing Ring	FP-6736-29-2110				
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION		
6	Ring Set, Single Cylinder	FP-6736-31-2030	STD			
	PISTONS	PART NO.	SIZE	DESCRIPTION		
6	Piston Kit w/Pin & Retainers	FP-6735-01-3110				
6 6	Piston Pin Piston Pin Bushing	FP-6736-31-2430 FP-6732-31-3131				
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				5.9L 359 OHV L6, 4.0197" Bore 5
	CYLINDER COMPONENTS (c	ont.)		(65)
QTY 12	PISTONS (cont.) Piston Pin Retainer	PART NO. FP-6736-31-2510	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410		DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow
2TY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
	FUEL SYSTEM & PARTS			
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6735-11-3120 FP-6134-11-3150	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION
				5.9L 359 OHV L6, 4.0197" Bore 58
	CAMSHAFT GROUP	102E; Build Series 1; Eng.	Ser. No. 2	21295204-Up; Model PC200Z-6LE; Model Ser. No. A83001-Up
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
12	COOLING SYSTEM	FF-0/32-41-2112		
OTV	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6732-61-6240 FP-6732-61-1620	0	Eng. Ser. No. Up to 30707204
1 QTY 1	Thermostat WATER PUMP Water Pump - Heavy Duty	FP-6735-61-1690 PART NO. FP-6736-61-1202	SIZE	Eng. Ser. No. 30707205-Up DESCRIPTION
	CRANKSHAFT/OIL PUMP	11-0700-01-1202		
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Main Bearing Set	FP-6735-21-8100	STD	
1	Main Bearing Set Main Bearing Set	FP-6736-29-8100 FP-6736-28-8100	.25MM .50MM	
1	Main Bearing Set	FP-6736-27-8100	.75MM	
1	Main Bearing Set Thrust Washer	FP-6736-26-8100 FP-6731-21-8610	1.00MM .50MM	
1	Thrust Washer	FP-6731-21-8620	1.00MM	
TY	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111		DESCRIPTION
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6731-21-4220	SIZE	DESCRIPTION
1 OTV	Oil Seal Kit SEALS - REAR CRANK	FP-6736-39-1221 PART NO.	SIZE	DESCRIPTION
1 1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130	SIZE	Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
OT1/	CYL. HEAD & PARTS	DARTNO	0175	DESCRIPTION
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION
	VALVE	PART NO.	SIZE	DESCRIPTION
24	Valve Keeper	FP-6732-41-4520	JIZE	Int. & Exh.
	•			



58 5.9L 359 OHV L6, 4.0197" Bore					
	CYL. HEAD & PARTS (cont.)				
QTY 6 6	VALVE (cont.) Valve, Exhaust Valve, Intake	PART NO. FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION	
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS		0.2		
-	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	SIZE STD STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6735-11-3120 FP-6134-11-3150	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
59 5.9L 359 OHV L6, 4.0197" Bore Excavator S6D102E; Build Series 1AA; Eng. Ser. No. 21180000-Up; Model PC210-6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AA; Eng. Ser. No. 21180000-Up; Model PC210LC-6K; Model Ser. No. K30001-Up					
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112 (continue		DESCRIPTION	



				5.9L 359 OHV L6, 4.0197" Bore 59
	COOLING SYSTEM			(****)
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6732-61-6240 FP-6735-61-1690		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
•	CRANKSHAFT/OIL PUMP	11 0100 01 1202		
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft MAIN BEARINGS	FP-6735-01-1310	SIZE	DESCRIPTION
1	Main Bearing Set	<i>PART NO.</i> FP-6735-21-8100	STD	DESCRIPTION
1	Main Bearing Set	FP-6736-29-8100	.25MM	
1	Main Bearing Set	FP-6736-28-8100	.50MM	
1	Main Bearing Set Main Bearing Set	FP-6736-27-8100 FP-6736-26-8100	.75MM 1.00MM	
i	Thrust Washer	FP-6731-21-8610	.50MM	
1	Thrust Washer	FP-6731-21-8620	1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6731-21-4220		
1	Oil Seal Kit	FP-6736-39-1221		
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			-
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6735-11-1821		
1	Head Gasket Set	FP-6731-11-9980		
6	Valve Cover Gasket	FP-6732-11-8181		
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.
6	Valve, Exhaust Valve, Intake	FP-6736-41-4210 FP-6736-41-4110		
	· ·		CIZE	DESCRIPTION
12	VALVE GUIDE Valve Guide	PART NO. FP-6736-18-1310	SIZE	Int. & Exh.; Thin wall
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM
QTY	VALVE SEAL	PART NO.	SIZE	
12	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
6	Valve Seat	FP-6732-11-1170		Exh.
6	Valve Seat	FP-6732-11-1180	0.75	Int.
QIY 12	VALVE SPRING Valve Spring	<i>PART NO.</i> FP-6732-41-4430	SIZE	DESCRIPTION
12		FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
	BRGS.	PART NO.	SIZE	DESCRIPTION
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6732-31-3411 FP-6736-39-3400	STD .25MM	
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400 FP-6736-38-3400	.23MM	
12	Rod Bearing Half Upper/Lower	FP-6736-37-3400	.75MM	
12	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6736-31-2030	STD	DESCRIPTION
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Kit w/Pin & Retainers	FP-6735-01-3110		
6	Piston Pin Piston Pin Bushing	FP-6736-31-2430 FP-6732-31-3131		
0	i iatori Fili buariiriy	1 F-0/32-31-3131		



	59 5.9L 359 OHV L6, 4.0197" Bore					
`	CYLINDER COMPONENTS (cont	:.)				
QTY	PISTONS (cont.)	PART NO.	SIZE	DESCRIPTION		
12	Piston Pin Retainer	FP-6736-31-2510				
	ENGINE BLOCK & PARTS	DARTNO	CIZE	DECORIDATION		
1	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6736-29-1410	SIZE	DESCRIPTION 1; O/S		
6 1	Camshaft Bearing Camshaft Bearing	FP-6736-29-1420 FP-6732-21-1410	STD	2-3-4-5; O/S Narrow		
_	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210		DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan		
	FUEL SYSTEM & PARTS					
QTY	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION		
6	Fuel Injector - New Fuel Injector Nozzle	FP-6735-11-3120 FP-6134-11-3150				
	INT & EXH MANIFOLDS					
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION		
6	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6735-11-4812				
	\$60. 5.9L 359 OHV L6, 4.0197" Bore Excavator S60102E; Build Series 1C-US; Eng. Ser. No. 26200240-Up; Model PC200-6B; Model Ser. No. C10001-Up S6D102E; Build Series 1C-Z; Eng. Ser. No. 26200929-Up; Model PC200-6Z; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200LC-6Z; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200-6; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200-6A; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200-6H-A; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200-6H-A; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200LC-6; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200LC-6H; Model Ser. No. 80001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26200929-Up; Model PC200CA-6-C1; Model Ser. No. 30001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26202240-Up; Model PC200CA-6-C1; Model Ser. No. T10001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26202240-Up; Model PC200CA-6-U1; Model Ser. No. T10001-Up S6D102E; Build Series 1C; Eng. Ser. No. 26202240-Up; Model PC200CA-6; Model Ser. No. T10001-Up S6D102E; Build Series 1F, Eng. Ser. No. 26200929-Up; Model PC228UU-1-NZ; Model Ser. No. 11001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Model PC228UU-1-NZ; Model Ser. No. 11001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Model PC228UU-2-V; Model Ser. No. 15001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Model PC228US-2-VJ; Model Ser. No. 15001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Model PC228US-C-VJ; Model Ser. No. 15001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Model PC228US-C-VJ; Model Ser. No. 15001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Model PC228US-C-VJ; Model Ser. No. 15001-Up S6D102E; Build Series 1FL-S2; Eng. Ser. No. 26200929-Up; Mo					
	CAMSHAFT GROUP CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION		
12	Lifter	FP-6732-41-2112				
	COOLING SYSTEM	DADTNO	0:75	DECODIPTION		
QTY 1	THERMOSTAT O-Ring	<i>PART NO.</i> FP-6732-61-6240	SIZE	DESCRIPTION		
1	Thermostat Thermostat	FP-6732-61-1620 FP-6732-61-1620		From Eng. Ser. No. 26200929 to 30707204 From Eng. Ser. No. 26202240 to 30707204		
1	Thermostat	FP-6735-61-1690		Eng. Ser. No. 30707205-Up		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION		
QTY 1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6735-21-8100	SIZE STD	DESCRIPTION		
1	Main Bearing Set	FP-6736-29-8100	.25MM			
1	Main Bearing Set Main Bearing Set	FP-6736-28-8100 FP-6736-27-8100	.50MM .75MM			
1	Main Bearing Set	FP-6736-26-8100	1.00MM			



				5.9L 359 OHV L6, 4.0197" Bore 60
	CRANKSHAFT/OIL PUMP (cont.)			(cont.)
	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer	PART NO. FP-6731-21-8610 FP-6731-21-8620	SIZE .50MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PARTS			
1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210		DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan



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_	60 5.9L 359 OHV L6, 4.0197" Bore							
	FUEL SYSTEM & PARTS							
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3120 FP-6732-11-3140	SIZE	DESCRIPTION				
	INT & EXH MANIFOLDS							
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION				
6	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6735-11-4812						
6	61 5.9L 359 OHV L6, 4.0197" Bore Excavator							
	S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model PC200LC-6; Model Ser. No. A83001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model PC200LL-6; Model Ser. No. A85001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model PC210LC-6; Model Ser. No. A83001-Up S6D102E; Build Series 1AB; Eng. Ser. No. 21295204-Up; Model PC210-6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AB; Eng. Ser. No. 21295204-Up; Model PC210LC-6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AB; Eng. Ser. No. 21296537-Up; Model PC240-6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AB; Eng. Ser. No. 21296537-Up; Model PC240-C6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AB; Eng. Ser. No. 21296537-Up; Model PC240NLC-6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AB; Eng. Ser. No. 21180000-Up; Model PC200EL-6K; Model Ser. No. K30001-Up S6D102E; Build Series 1AC; Eng. Ser. No. 21180000-Up; Model PC200EL-6K; Model Ser. No. K30001-Up							
	CAMSHAFT GROUP							
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION				
	COOLING SYSTEM							
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION				
1	O-Ring	FP-6732-61-6240		Fra Cay No 112 to 00707004				
1 1	Thermostat Thermostat	FP-6732-61-1620 FP-6732-61-1620		Eng. Ser. No. Up to 30707204 From Eng. Ser. No. 21180000 to 30707204				
1	Thermostat	FP-6732-61-1620		From Eng. Ser. No. 21295204 to 30707204				
1	Thermostat	FP-6732-61-1620		From Eng. Ser. No. 21296537 to 30707204				
1 OTV	Thermostat WATER PUMP	FP-6735-61-1690	CIZE	Eng. Ser. No. 30707205-Up DESCRIPTION				
1	Water Pump - Heavy Duty	<i>PART NO.</i> FP-6736-61-1202	SIZE	DESCRIPTION				
	CRANKSHAFT/OIL PUMP							
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION				
1	Crankshaft	FP-6735-01-1310						
	MAIN BEARINGS	PART NO.		DESCRIPTION				
1 1	Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100	.25MM					
1	Main Bearing Set	FP-6736-28-8100	.50MM					
1	Main Bearing Set	FP-6736-27-8100	.75MM					
1 1	Main Bearing Set Thrust Washer	FP-6736-26-8100 FP-6731-21-8610	1.00MM .50MM					
1	Thrust Washer	FP-6731-21-8620	1.00MM					
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION				
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION				
1 1	Oil Seal Oil Seal Kit	FP-6731-21-4220 FP-6736-39-1221						
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION				
1	Oil Seal	FP-6735-K2-3001						
1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing				
Ė	CYL. HEAD & PARTS	5755 55-1140						
QTV	GASKETS	PART NO.	SIZE	DESCRIPTION				
1	Head Gasket	FP-6735-11-1821	JIEL					
1	Head Gasket Set	FP-6731-11-9980						
6 OTV	Valve Cover Gasket	FP-6732-11-8181	0175	DESCRIPTION				
24 6	VALVE Valve Keeper Valve, Exhaust	PART NO. FP-6732-41-4520 FP-6736-41-4210	SIZE	DESCRIPTION Int. & Exh.				
		/ "	ed on nev	4				



					5.9L 359 OHV L6, 4.0197" Bore 61 (cont.)
	CYL. HEAD & PARTS	(cont.)			
QTY 6	VALVE (cont.) Valve, Intake		RT NO. 6736-41-4110	SIZE	DESCRIPTION
QTY 12 6	VALVE GUIDE Valve Guide Valve Guide	FP-	RT NO. 6736-18-1310 6736-19-1310	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM
	Valve Guide VALVE SEAL	PAI	6736-19-1410 RT NO.	SIZE	Exh.; Thick wall, 51.75MM DESCRIPTION
12 QTY	Valve Stem Seal VALVE SEAT		6732-41-4540 RT NO.	SIZE	Int. & Exh. DESCRIPTION
6 6	Valve Seat Valve Seat		6732-11-1170 6732-11-1180		Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	FP-	RT NO. 6732-41-4430 6732-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONI	ENTS			
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lov	wer FP- wer FP- wer FP- wer FP-	RT NO. 6732-31-3411 6736-39-3400 6736-38-3400 6736-37-3400 6736-36-3400	SIZE <i>STD .25MM .50MM .75MM</i>	DESCRIPTION
	LINERS Liner w/o Sealing Ring	PAI	RT NO. 6736-29-2110	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder		RT NO. 6738-31-2031	SIZE STD	DESCRIPTION
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	FP- FP- FP-	RT NO. 6735-31-2111 6731-31-2410 6732-31-3131 6732-31-2420 6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PA	RTS			
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	FP- FP- FP-	RT NO. 6736-29-1410 6736-29-1420 6732-21-1410 6732-21-1411	SIZE STD STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
	GASKET SETS Conversion Gasket Set	PAI	RT NO. 6735-01-1210	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PAI	RT NO. 6735-21-5661	SIZE	DESCRIPTION Oil pan
	FUEL SYSTEM & PAF	RTS			
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	FP-	RT NO. 6733-11-3100 6735-11-3160	SIZE	DESCRIPTION
	INT & EXH MANIFOLD	os			
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	FP-	RT NO. 6736-11-5810 6735-11-4812	SIZE	DESCRIPTION
		S6D102E; Build Se	ries 1AA; Eng. Ser	. No. 21	5.9L 359 OHV L6, 4.0197" Bore Excavator 180000-Up; Model PC240-6K; Model Ser. No. K30001-Up 180000-Up; Model PC240LC-6K; Model Ser. No. K30001-Up 180000-Up; Model PC240NLC-6K; Model Ser. No. K30001-Up
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter		RT NO. 6732-41-2112		DESCRIPTION



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	62 5.9L 359 OHV L6, 4.0197" Bore (cont.)					
	COOLING SYSTEM					
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1	O-Ring	FP-6732-61-6240				
1	Thermostat	FP-6732-61-1620				
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6736-61-1202				
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1	Crankshaft	FP-6735-01-1310				
	MAIN BEARINGS	PART NO.		DESCRIPTION		
1	Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100	STD .25MM			
1	Main Bearing Set	FP-6736-28-8100	.50MM			
i	Main Bearing Set	FP-6736-27-8100	.75MM			
1	Main Bearing Set	FP-6736-26-8100	1.00MM			
1	Thrust Washer	FP-6731-21-8610	.50MM			
1	Thrust Washer	FP-6731-21-8620	1.00MM			
_	OIL PUMP	PART NO.	SIZE	DESCRIPTION		
1	Oil Pump	FP-6731-51-1111				
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1 1	Oil Seal Oil Seal Kit	FP-6731-21-4220 FP-6736-39-1221				
			CIZE	DECODIDATION		
QIY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION		
;	Oil Seal	FP-6736-39-1130		Wet housing		
1	Oil Seal Kit	FP-6736-39-1140		Dry housing		
	CYL. HEAD & PARTS					
OTV	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket	FP-6735-11-1821	SIZL	DESCRIPTION		
1	Head Gasket Set	FP-6731-11-9980				
6	Valve Cover Gasket	FP-6732-11-8181				
QTY	VALVE	PART NO.	SIZE	DESCRIPTION		
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.		
6	Valve, Exhaust	FP-6736-41-4210				
6	Valve, Intake	FP-6736-41-4110				
	VALVE GUIDE	PART NO.	SIZE			
12	Valve Guide	FP-6736-18-1310		Int. & Exh.; Thin wall		
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM		
6 OTY	Valve Guide	FP-6736-19-1410	0175	Exh.; Thick wall, 51.75MM		
Q1Y 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.		
			0175			
QTY 6	VALVE SEAT Valve Seat	<i>PART NO.</i> FP-6732-11-1170	SIZE	DESCRIPTION Exh.		
6	Valve Seat Valve Seat	FP-6732-11-1170 FP-6732-11-1180		Int.		
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12	Valve Spring	FP-6732-41-4430	JIZE	DEGGIII HON		
12	Valve Spring Seat	FP-6732-41-4510		Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS &					
	BRGS.	PART NO.	SIZE	DESCRIPTION		
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD			
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM			
12	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM			
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-37-3400 FP-6736-36-3400	.75MM 1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Liner w/o Sealing Ring	FP-6736-29-2110	J.2L			
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION		
6	Ring Set, Single Cylinder	FP-6736-31-2030	STD			
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION		
6	Piston Pin	FP-6731-31-2410				
6	Piston Pin Bushing	FP-6732-31-3131				
12	Piston Pin Retainer	FP-6732-31-2420				



				5.9L 359 OHV L6, 4.0197" Bore	62 (cont.
	CYLINDER COMPONENTS (cor	nt.)			
QTY 6	PISTONS (cont.) Piston w/Retainer & Rings	PART NO. FP-6736-31-2010	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION	
1 6	Camshaft Bearing Camshaft Bearing	FP-6736-29-1410 FP-6736-29-1420		1; O/S 2-3-4-5; O/S	
1	Camshaft Bearing	FP-6732-21-1410		Narrow	
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION	
6 6	Fuel Injector - New Fuel Injector Nozzle	FP-6736-11-3130 FP-6734-11-3150			
	INT & EXH MANIFOLDS				
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION	
6 1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6735-11-4811			
				5.9L 359 OHV L6, 4.0197" Bore	63
				Build Series 1; Model PC220LC-6; Model Ser. No. A82001-Up Build Series 1; Model PC250LC-6; Model Ser. No. A82001-Up	
	CAMSHAFT GROUP				
QTY	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION	
12	Lifter	FP-6732-41-2112			
	COOLING SYSTEM				
QTY 1	THERMOSTAT O-Ring	PART NO. FP-6732-61-6240	SIZE	DESCRIPTION	
1	Thermostat	FP-6732-61-1620			
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION	
	MAIN BEARINGS	FF-0735-01-1310			
YTC		PART NO	SIZE	DESCRIPTION	
1	Main Bearing Set	PART NO. FP-6735-21-8100	STD	DESCRIPTION	
	Main Bearing Set Main Bearing Set			DESCRIPTION	
1 1 1	Main Bearing Set Main Bearing Set Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100	STD .25MM .50MM .75MM	DESCRIPTION	
1 1 1	Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100	STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
1 1 1	Main Bearing Set Main Bearing Set Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100	STD .25MM .50MM .75MM	DESCRIPTION	
1 1 1 1 1	Main Bearing Set Thrust Washer	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610	STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION	
1 1 1 1 1 1 QTY	Main Bearing Set Thrust Washer Thrust Washer OIL PUMP Oil Pump SEALS - FRONT CRANK	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO.	STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM		
1 1 1 1 1 1 QTY	Main Bearing Set Thrust Washer Thrust Washer OIL PUMP Oil Pump	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111	STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM	DESCRIPTION	
1 1 1 1 1 2TY 1 QTY 1 1	Main Bearing Set Thrust Washer Thrust Washer OIL PUMP Oil Pump SEALS - FRONT CRANK Oil Seal	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111 PART NO. FP-6731-21-4220	STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM	DESCRIPTION DESCRIPTION	
1 1 1 1 1 2TY 1 2TY 1 2TY	Main Bearing Set Thrust Washer Thrust Washer OIL PUMP Oil Pump SEALS - FRONT CRANK Oil Seal Oil Seal Kit SEALS - REAR CRANK	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111 PART NO. FP-6736-39-1221 PART NO.	STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM SIZE	DESCRIPTION DESCRIPTION	
1 1 1 1 1 1 1 QTY 1 1 QTY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Main Bearing Set Thrust Washer Thrust Washer OIL PUMP Oil Pump SEALS - FRONT CRANK Oil Seal Oil Seal Kit SEALS - REAR CRANK Oil Seal Oil Seal	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111 PART NO. FP-6736-39-1221 PART NO. FP-6736-39-1221 PART NO. FP-6736-39-1130	STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM SIZE	DESCRIPTION DESCRIPTION DESCRIPTION Wet housing	
1 1 1 1 1 1 1 QTY 1 2 QTY 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Main Bearing Set Thrust Washer OIL PUMP Oil PUMP Oil Pump SEALS - FRONT CRANK Oil Seal Oil Seal Kit SEALS - REAR CRANK Oil Seal Kit	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111 PART NO. FP-6736-39-1221 PART NO. FP-6736-39-1130 FP-6736-39-1140 PART NO.	STD .25MM .50MM .75MM 1.00MM 1.00MM SIZE SIZE	DESCRIPTION DESCRIPTION DESCRIPTION Wet housing	
1 1 1 1 1 1 1 1 QTY 1 1 QTY 1 1 1 0 TY 1 1 1	Main Bearing Set Thrust Washer OIL PUMP Oil PUMP Oil Pump SEALS - FRONT CRANK Oil Seal Oil Seal Kit SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Oil Seal Oil Seal Oil Seal HEAD & PARTS GASKETS Head Gasket	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111 PART NO. FP-6736-39-1221 PART NO. FP-6736-39-1130 FP-6736-39-1140 PART NO. FP-6735-11-1821	STD .25MM .50MM .75MM 1.00MM 1.00MM SIZE SIZE	DESCRIPTION DESCRIPTION Wet housing Dry housing	
1 1 1 1 1 1 1 QTY 1 1 QTY 1 1 1 1 1 0 TY 1 1	Main Bearing Set Thrust Washer OIL PUMP Oil PUMP Oil Pump SEALS - FRONT CRANK Oil Seal Oil Seal Kit SEALS - REAR CRANK Oil Seal Kit	FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620 PART NO. FP-6731-51-1111 PART NO. FP-6736-39-1221 PART NO. FP-6736-39-1130 FP-6736-39-1140 PART NO.	STD .25MM .50MM .75MM 1.00MM 1.00MM SIZE SIZE	DESCRIPTION DESCRIPTION Wet housing Dry housing	



	63 5.9L 359 OHV L6, 4.0197" Bore				
	CYL. HEAD & PARTS (cont.)				
QTY 6 6	VALVE (cont.) Valve, Exhaust Valve, Intake	PART NO. FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION	
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6736-31-2030	SIZE STD	DESCRIPTION	
QTY 6 6 12 6	PISTONS Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6736-31-2010	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410	SIZE STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6736-11-3130 FP-6734-11-3150	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4811	SIZE	DESCRIPTION	
64	5.9L 359 OHV L6, 4.019 Excavator SA6D102E; Build Series 1AC; Eng. Ser. SA6D102E; Build Series 1AC; Eng. Ser.	No. 21288263-Up; Mod			
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 1	THERMOSTAT O-Ring	PART NO. FP-6732-61-6240	SIZE	DESCRIPTION	



				5.9L 359 OHV L6, 4.0197" Bore 64
	COOLING SYSTEM (cont.)			
QTY 1	THERMOSTAT (cont.) Thermostat	PART NO. FP-6732-61-1620	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6735-01-1310		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100	STD .25MM	
i	Main Bearing Set	FP-6736-28-8100	.50MM	
1	Main Bearing Set	FP-6736-27-8100	.75MM	
1	Main Bearing Set	FP-6736-26-8100	1.00MM	
1	Thrust Washer	FP-6731-21-8610	.50MM	
<u> </u>	Thrust Washer	FP-6731-21-8620	1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
OTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6735-K2-3001	0.22	22001 11011
1	Oil Seal	FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6735-11-1821		
1	Head Gasket Set	FP-6731-11-9980		
6	Valve Cover Gasket	FP-6732-11-8181		
	VALVE	PART NO.	SIZE	
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.
6 6	Valve, Exhaust Valve, Intake	FP-6736-41-4210 FP-6736-41-4110		
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
12	Valve Guide	FP-6736-18-1310	SIZL	Int. & Exh.; Thin wall
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
12	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
6	Valve Seat	FP-6732-11-1170		Exh.
6	Valve Seat	FP-6732-11-1180		Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12	Valve Spring	FP-6732-41-4430		Llanav
12	1 0	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &	D457***	6:	DECODIDETION
QTY 12	BRGS.	PART NO.	SIZE STD	DESCRIPTION
12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6732-31-3411 FP-6736-39-3400	.25MM	
12		FP-6736-38-3400	.50MM	
12	Rod Bearing Half Upper/Lower	FP-6736-37-3400	.75MM	
12	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6731-31-2280	SIZE STD	DESCRIPTION
	PISTONS	PART NO.		DESCRIPTION
6	Piston Pin	FP-6731-31-2410	JILL	2200 11011
6	Piston Pin Bushing	FP-6732-31-3131		
12	Piston Pin Retainer	FP-6732-31-2420		
6	Piston With Retainers	FP-6733-31-2110	STD	



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_	64 5.9L 359 OHV L6, 4.0197" Bore (cont.)				
	ENGINE BLOCK & PARTS				
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1411		DESCRIPTION 1; O/S 2-3-4-5; O/S Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6731-11-3130 FP-6735-11-3160	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
6	5.9L 359 OHV L6, 4.0197 Excavator SA6D102E; Build Series 1; Model PC270		A83001-U	Jp	
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION	
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION	
1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6731-21-8610 FP-6731-21-8620	SIZE STD .25MM .50MM .75MM 1.00MM 1.00MM		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION	
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION	
1	SEALS - REAR CRANK Oil Seal Oil Seal	PART NO. FP-6735-K2-3001 FP-6736-39-1130	SIZE	Wet housing	
1	Oil Seal Kit	FP-6736-39-1140		Dry housing	
	CYL. HEAD & PARTS				
1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION	
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6736-18-1310	SIZE	DESCRIPTION Int. & Exh.; Thin wall	



				5.9L 359 OHV L6, 4.0197" Bore 65
	CYL. HEAD & PARTS (c	ont.)		
QTY 6 6	VALVE GUIDE (cont.) Valve Guide Valve Guide	PART NO. FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	
QTY 6	VALVE SEAT Valve Seat	<i>PART NO.</i> FP-6732-11-1170	SIZE	DESCRIPTION Exh.
6 QTY 12	Valve Seat VALVE SPRING Valve Spring	FP-6732-11-1180 PART NO. FP-6732-41-4430	SIZE	DESCRIPTION
12	Valve Spring Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONEN CONNECTING RODS &	113		
QTY 12 12 12 12	BRGS. Rod Bearing Half Upper/Lowe Rod Bearing Half Upper/Lowe Rod Bearing Half Upper/Lowe	r FP-6736-39-3400 r FP-6736-38-3400	SIZE STD .25MM .50MM .75MM	DESCRIPTION
12	Rod Bearing Half Upper/Lowe Rod Bearing Half Upper/Lowe LINERS		1.00MM SIZE	DESCRIPTION
	Liner w/o Sealing Ring PISTON RINGS	FP-6736-29-2110 PART NO.	SIZE	DESCRIPTION
6 QTY 6 6	Ring Set, Single Cylinder PISTONS Piston Pin Piston Pin Bushing	FP-6731-31-2280 PART NO. FP-6731-31-2410 FP-6732-31-3131	SIZE	DESCRIPTION
12 6	Piston Pin Retainer Piston With Retainers	FP-6732-31-2420 FP-6733-31-2110	STD	
	ENGINE BLOCK & PAR			
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	<i>PART NO.</i> FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1411		DESCRIPTION 1; O/S 2-3-4-5; O/S Wide
	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
	FUEL SYSTEM & PART	S		
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6733-11-3100 FP-6735-11-3160	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION
				5.9L 359 OHV L6, 4.0197" Bore 66
		SA6D102E; Build Series 1C; Eng.	Ser. No. Ser. No. Ser. No. Ser. No. Ser. No. Ser. No. Ser. No.	26200467-Up; Model PC220-6; Model Ser. No. 50001-Up 26200467-Up; Model PC220-6Z; Model Ser. No. 50001-Up 26200467-Up; Model PC220LC-6; Model Ser. No. 50001-Up 26200467-Up; Model PC220LC-6Z; Model Ser. No. 50001-Up 26200467-Up; Model PC230-6; Model Ser. No. 10001-Up 26200467-Up; Model PC230LC-6; Model Ser. No. 10001-Up 26200467-Up; Model PC250-6; Model Ser. No. 10001-Up 26200467-Up; Model PC250HD-6Z; Model Ser. No. 10001-Up 26200467-Up; Model PC250LC-6; Model Ser. No. 10001-Up
	CAMSHAFT GROUP	DART NO	013-	DESCRIPTION
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112		DESCRIPTION



	66 5.9L 359 OHV L6, 4.0197" Bore (cont.)					
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION From Eng. Ser. No. 26200467 to 30707204		
1 OTV	Thermostat	FP-6735-61-1690	0175	Eng. Ser. No. 30707205-Up		
1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION		
QTY	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-26-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620	SIZE STD .25MM .50MM .75MM 1.00MM 1.00MM	DESCRIPTION		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION		
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION		
QTY 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing		
	CYL. HEAD & PARTS			,		
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION		
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.		
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM		
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.		
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.		
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper		
	CYLINDER COMPONENTS					
12 12 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION		
QTY 6 6	PISTONS Piston Body w/o Pin Piston Pin	PART NO. FP-6735-31-2111 FP-6731-31-2410	SIZE STD	DESCRIPTION		
						



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	CYLINDER COMPONENTS (con	t.)			
QTY 6 12 6	PISTONS (cont.) Piston Pin Bushing	PART NO. FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1410	SIZE	DESCRIPTION 1; O/S O/S	
6 1 1	Camshaft Bearing Camshaft Bearing Camshaft Bearing	FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	_	2-3-4-5; O/S Narrow Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3120 FP-6732-11-3140	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
				21296537-Up; Model PC220LL-6; Model Ser. No. A83001-Up 21296537-Up; Model PC250LC-6; Model Ser. No. A83001-Up	
OTY	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION	
12	Lifter	FP-6732-41-2112	OILL	22301III 11011	
	COOLING SYSTEM				
QTY 1 1 1 1	THERMOSTAT O-Ring Thermostat Thermostat Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620 FP-6732-61-1620 FP-6735-61-1690	SIZE	DESCRIPTION Eng. Ser No. Up to 30707204 Eng. Ser. No. Up to 30707204 Eng. Ser. No. 30707205-Up	
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION	
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620	SIZE STD .25MM .50MM .75MM 1.00MM 1.00MM	DESCRIPTION	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION	
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION	
1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE		
1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing	



	67 5.9L 359 OHV L6, 4.0197" Bore				
	CYL. HEAD & PARTS				
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION	
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
12	CYLINDER COMPONENTS	11-0702-41-4310		Оррег	
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6733-11-3100 FP-6735-11-3160	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	



5.9L 359 OHV L6, 4.0197" Bore Excavator

	SA6D10.	2E; Build Series 1; Eng	ı. Ser. No.	21296537-Up; Model PC220LC-6; Model Ser. No. A83001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring Thermostat	FP-6732-61-6240 FP-6732-61-1620		Eng. Ser. No. Up to 30707204
1	Thermostat	FP-6735-61-1690		Eng. Ser. No. 30707205-Up
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6735-01-1310		
QTY 1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6735-21-8100	SIZE STD	DESCRIPTION
1	Main Bearing Set	FP-6736-29-8100	.25MM	
1	Main Bearing Set	FP-6736-28-8100	.50MM	
1	Main Bearing Set	FP-6736-27-8100	.75MM	
1	Main Bearing Set	FP-6736-26-8100	1.00MM	
1	Thrust Washer Thrust Washer	FP-6731-21-8610 FP-6731-21-8620	.50MM 1.00MM	
	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6731-51-1111	OIZL	DESCRIPTION
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6731-21-4220		
1	Oil Seal Kit	FP-6736-39-1221		
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			, ,
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6735-11-1821		
1	Head Gasket Set	FP-6731-11-9980		
6	Valve Cover Gasket	FP-6732-11-8181		
	VALVE	PART NO.	SIZE	
24 6	Valve Keeper Valve, Exhaust	FP-6732-41-4520 FP-6736-41-4210		Int. & Exh.
6	Valve, Intake	FP-6736-41-4110		
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
12	Valve Guide	FP-6736-18-1310	0	Int. & Exh.; Thin wall
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
6 6	Valve Seat Valve Seat	FP-6732-11-1170 FP-6732-11-1180		Exh. Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12	Valve Spring	FP-6732-41-4430	JILL	2200.111
12	Valve Spring Seat	FP-6732-41-4510		Upper
	CYLINDER COMPONENTS			
OTV	CONNECTING RODS &	DARTNO	CIZE	DESCRIPTION
12	BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411	SIZE STD	DESCRIPTION
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM	
12	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM	
12	Rod Bearing Half Upper/Lower	FP-6736-37-3400	.75MM	
12	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
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	68 5.9L 359 OHV L6, 4.0197" Bore (cont.)				
	CYLINDER COMPONENTS (cont	:.)			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420	SIZE STD	DESCRIPTION	
6	Piston w/Retainer & Rings	FP-6735-31-2140	STD		
	ENGINE BLOCK & PARTS	DARTNO	CIZE	DECORIDATION	
1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6	FUEL INJECTION Fuel Injector - New	PART NO. FP-6733-11-3100	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION	
6 1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6735-11-4812			
	SAA6D102E; Build Series 2A; Eng. Ser. SAA6D102E; Build Series 2A; Eng. Ser. SAA6D102E; Build Series 2A; Eng. Ser. SAA6D102E; Build Series 2C-KU; Eng. SAA6D102E; Build Series 2C; Eng. Ser. SAA6D102E;	No. 26274903-Up; Mode No. 26474903-Up; Mode Ser. No. 21494941-Up; Moser. No. 21494941-Up; Mode No. 26474903-Up; Mode	I PC228 I PC228 I PC228 I PC228 I PC228 I PC220 I PC200 I PC200 I PC200 I PC200 I PC200 I PC220 I PC270 I PC270 I PC270 I PC270 I PC270 I PC270	US-3-W1; Model Ser. No. 20001-Up USLC-3; Model Ser. No. 20001-Up 210-7K; Model Ser. No. K40001-Up 210LC-7K; Model Ser. No. K40001-Up 210NLC-7K; Model Ser. No. K40001-Up 240LC-7K; Model Ser. No. K40001-Up 240NLC-7K; Model Ser. No. K40001-Up 240NLC-7K; Model Ser. No. K40001-Up 290LC-7K; Model Ser. No. K40001-Up 290NLC-7K; Model Ser. No. K40001-Up -7-W1; Model Ser. No. 200001-Up LC-7-US; Model Ser. No. 200001-Up LC-7-W1; Model Ser. No. 200001-Up LC-7-W1; Model Ser. No. 60001-Up LC-7; Model Ser. No. A86001-Up LC-7; Model Ser. No. A86001-Up	
	CAMSHAFT GROUP			,	
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION	
	WATER RUMP			DECODIDETON	

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SIZE DESCRIPTION

FP-6736-61-1202

PART NO.

QTY WATER PUMP

Water Pump - Heavy Duty



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	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION	
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION	
1	Main Bearing Set Main Bearing Set	FP-6735-21-8100 FP-6736-29-8100	STD .25MM		
1	Main Bearing Set	FP-6736-28-8100	.50MM		
1	Main Bearing Set	FP-6736-27-8100 FP-6736-26-8100	.75MM		
1	Main Bearing Set Thrust Washer	FP-6731-21-8610	1.00MM .50MM		
1	Thrust Washer	FP-6731-21-8620	1.00MM		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION	
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION	
1	Oil Seal Oil Seal Kit	FP-6731-21-4220 FP-6736-39-1221			
		PART NO.	SIZE	DESCRIPTION	
1	Oil Seal	FP-6735-K2-3001			
1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing	
	CYL. HEAD & PARTS	FF-0730-39-1140		Dry housing	
OTV		DARTNO	CIZE	DECORIDEION	
QIY 1	GASKETS Head Gasket	<i>PART NO.</i> FP-6735-11-1821	SIZE	DESCRIPTION	
1	Head Gasket Set	FP-6731-11-9980			
6	Valve Cover Gasket	FP-6732-11-8181			
QTY 24	VALVE Valve Keeper	<i>PART NO.</i> FP-6732-41-4520	SIZE	DESCRIPTION Int. & Exh.	
6	Valve, Exhaust	FP-6736-41-4210		III. Q LAII.	
6	Valve, Intake	FP-6736-41-4110			
QTY		PART NO.	SIZE		
12 6	Valve Guide Valve Guide	FP-6736-18-1310 FP-6736-19-1310		Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM	
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY		PART NO.	SIZE	DESCRIPTION	
6 6	Valve Seat Valve Seat	FP-6732-11-1170 FP-6732-11-1180		Exh. Int.	
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION	
12		FP-6732-41-4430	SIZL	DESCRIPTION	
12	Valve Spring Seat	FP-6732-41-4510		Upper	
	CYLINDER COMPONENTS				
OTV	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION	
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD	DESCRIPTION	
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM		
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM		
12	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM		
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
	PISTONS	PART NO.		DESCRIPTION	
6	Piston Body w/o Pin	FP-6738-31-2111	0. <u>2</u> L		
6	Piston Kit w/Pin & Retainers Piston Pin	FP-6738-31-2140			
6 6	Piston Pin Piston Pin Bushing	FP-6732-31-2410 FP-6732-31-3131			
12	Piston Pin Retainer	FP-6732-31-2420			
	ENGINE BLOCK & PARTS				
	CAM BEARINGS Camshaft Bearing	PART NO. FP-6736-29-1410	SIZE	DESCRIPTION 1; O/S	
1 6	Camshaft Bearing Camshaft Bearing	FP-6736-29-1410		2-3-4-5; O/S	
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	69 5.9L 359 OHV L6, 4.0197" Bore (cont.)					
	ENGINE BLOCK & PARTS (cont.	.)				
QTY 1	CAM BEARINGS (cont.) Camshaft Bearing	PART NO. FP-6732-21-1411		DESCRIPTION Wide		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION		
1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION		
1	Oil Pan Gasket FUEL SYSTEM & PARTS	FP-6735-21-5661		Oil pan		
		DARTNO	CIZE	DECORIDEION		
Q1Y 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6738-11-3090 FP-6738-11-3120	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION		
6 1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6735-11-4811				
70	0 5.9L 359 OHV L6, 4.019	7" Bore				
	Grader					
	S6D102; Build Series 1; Model GD530A-					
	S6D102; Build Series 1; Model GD530A- S6D102; Build Series 1; Model GD530A-					
	S6D102; Build Series 1; Model GD530A					
	S6D102; Build Series 1; Model GD530A					
	S6D102; Build Series 1; Model GD530A	W-2B; Model Ser. No. 2	.02002-Up)		
	S6D102; Build Series 1; Model GD530A	W-2C; Model Ser. No. 2	202002-Up	0		
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM	11-0/02-41-2112				
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1	O-Ring	FP-6732-61-6240	0.22	22001 11011		
1	Thermostat	FP-6735-61-1690				
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
	Crankshaft	FP-6735-01-1310	0.75	PECODIDEION		
QTY	MAIN BEARINGS Main Bearing Set	<i>PART NO.</i> FP-6735-21-8100	SIZE STD	DESCRIPTION		
1	Main Bearing Set	FP-6736-29-8100	.25MM			
1	Main Bearing Set	FP-6736-28-8100	.50MM			
1	Main Bearing Set	FP-6736-27-8100	.75MM			
1	Main Bearing Set	FP-6736-26-8100	1.00MM			
1	Thrust Washer Thrust Washer	FP-6731-21-8610 FP-6731-21-8620	.50MM 1.00MM			
	OIL PUMP	PART NO.	SIZE	DESCRIPTION		
1	Oil Pump	FP-6731-51-1111				
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6731-21-4220				
	Oil Seal Kit	FP-6736-39-1221	CIZE	DESCRIPTION		
QIY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION		
1	Oil Seal	FP-6736-39-1130		Wet housing		
1	Oil Seal Kit	FP-6736-39-1140		Dry housing		
	CYL. HEAD & PARTS					
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket	FP-6735-11-1821				
1 6	Head Gasket Set Valve Cover Gasket	FP-6731-11-9980 FP-6732-11-8181				
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				5.9L 359 OHV L6, 4.0197" Bore 70 (cont.)	
	CYL. HEAD & PARTS (cont.)				
	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS	11 0102 11 1010		орро.	
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6736-31-2030	SIZE STD	DESCRIPTION	
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6735-01-3110 FP-6736-31-2430 FP-6732-31-3131 FP-6736-31-2510	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS	11 0100 01 2010			
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410	SIZE STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow	
	GASKET SETS	PART NO. FP-6735-01-1210	SIZE		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6736-11-3100 FP-6731-11-3150	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
				5.9L 359 OHV L6, 4.0197" Bore 71	
S6D102E; Build Series 1; Model GD530A-1; From Model Ser. No. 200840 to 201999 S6D102E; Build Series 1; Model GD530AW-1; From Model Ser. No. 200840 to 201999					
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	



_	71 5.9L 359 OHV L6, 4.0197" Bore (cont.)					
	COOLING SYSTEM					
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1	O-Ring	FP-6732-61-6240				
1	Thermostat	FP-6735-61-1690				
	WATER PUMP	PART NO.	SIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6736-61-1202				
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION		
	MAIN BEARINGS		CIZE	DESCRIPTION		
1	Main Bearing Set	PART NO. FP-6735-21-8100	STD	DESCRIPTION		
1	Main Bearing Set	FP-6736-29-8100	.25MM			
1	Main Bearing Set	FP-6736-28-8100	.50MM			
1	Main Bearing Set	FP-6736-27-8100	.75MM			
1	Main Bearing Set Thrust Washer	FP-6736-26-8100 FP-6731-21-8610	1.00MM .50MM			
;	Thrust Washer	FP-6731-21-8620	1.00MM			
OTY	OIL PUMP	PART NO.		DESCRIPTION		
1	Oil Pump	FP-6731-51-1111				
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6731-21-4220				
1	Oil Seal Kit	FP-6736-39-1221				
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION		
1 1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing		
i	Oil Seal Kit	FP-6736-39-1140		Dry housing		
	CYL. HEAD & PARTS			•		
OTV	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket	FP-6735-11-1821	O.LL	DECOMM NOW		
1	Head Gasket Set	FP-6731-11-9980				
6	Valve Cover Gasket	FP-6732-11-8181				
QTY	VALVE	PART NO.	SIZE	DESCRIPTION		
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.		
6	Valve, Exhaust	FP-6736-41-4210 FP-6736-41-4110				
6 OTY	Valve, Intake		0175	DECODIDATION		
12	VALVE GUIDE Valve Guide	PART NO. FP-6736-18-1310	SIZE	DESCRIPTION Int. & Exh.; Thin wall		
6	Valve Guide	FP-6736-19-1310		Int.; Thick wall, 60.50MM		
6	Valve Guide	FP-6736-19-1410		Exh.; Thick wall, 51.75MM		
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION		
12	Valve Stem Seal	FP-6732-41-4540		Int. & Exh.		
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
6	Valve Seat	FP-6732-11-1170		Exh.		
6	Valve Seat	FP-6732-11-1180		Int.		
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12 12	Valve Spring Valve Spring Seat	FP-6732-41-4430 FP-6732-41-4510		Upper		
12	1 0	11-0702-41-4310		Оррог		
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION		
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD			
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM			
12	Rod Bearing Half Upper/Lower	FP-6736-38-3400	.50MM			
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-37-3400 FP-6736-36-3400	.75MM 1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Liner w/o Sealing Ring	FP-6736-29-2110	JIZE	JESSIII IION		
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION		
6	Ring Set, Single Cylinder	FP-6736-31-2030	STD			
	PISTONS	PART NO.	SIZE	DESCRIPTION		
6	Piston Kit w/Pin & Retainers	FP-6735-01-3110				
6 6	Piston Pin Piston Pin Bushing	FP-6736-31-2430 FP-6732-31-3131				
	1 IOLOTT III DUSTIIIIY	. 1 -0/02-01-0101				



				5.9L 359 OHV L6, 4.0197" Bore 71
	CYLINDER COMPONENTS (con	+)		(cont.
	PISTONS (cont.) Piston Pin Retainer	PART NO. FP-6736-31-2510	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410		DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow
QTY	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
	FUEL SYSTEM & PARTS			
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6736-11-3100 FP-6731-11-3150	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION
				5.9L 359 OHV L6, 4.0197" Bore 72
		02E; Build Series 1T; Eng	g. Ser. No	o. 26200929-Up; Model GD521A-1E; Model Ser. No. 12001-Up
	CAMSHAFT GROUP CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION From Eng. Ser. No. 26200929 to 30707204
1 QTY 1	Thermostat WATER PUMP Water Pump - Heavy Duty	FP-6735-61-1690 PART NO. FP-6736-61-1202	SIZE	Eng. Ser. No. 30707205-Up DESCRIPTION
	CRANKSHAFT/OIL PUMP	11-0700-01-1202		
	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION
1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6731-21-8610	SIZE STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION
	Thrust Washer OIL PUMP	FP-6731-21-8620 PART NO.	1.00MM SIZE	DESCRIPTION
1 QTY 1 1	Oil Pump SEALS - FRONT CRANK Oil Seal Oil Seal Kit	FP-6731-51-1111 PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
	SEALS - REAR CRANK Oil Seal Oil Seal	PART NO. FP-6735-K2-3001 FP-6736-39-1130	SIZE	DESCRIPTION Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
QTY 1	CYL. HEAD & PARTS GASKETS Head Gasket Head Gasket Set	PART NO. FP-6735-11-1821 FP-6731-11-9980	SIZE	DESCRIPTION
6 QTY 24	Valve Cover Gasket VALVE Valve Keeper	FP-6732-11-8181 PART NO. FP-6732-41-4520	SIZE	DESCRIPTION Int. & Exh.



	72 5.9L 359 OHV L6, 4.0197" Bore (cont.)				
	CYL. HEAD & PARTS (cont.)				
QTY 6 6	VALVE (cont.) Valve, Exhaust Valve, Intake	PART NO. FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION	
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS &				
12 12 12 12 12 12	BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
1 6 1 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411		1; O/S 2-3-4-5; O/S Narrow Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3120 FP-6732-11-3140	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
7:	73 5.9L 359 OHV L6, 4.0197" Bore Grader S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model GD530A-2B; Model Ser. No. 203163-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model GD530A-2C; Model Ser. No. 203163-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model GD530AW-2B; Model Ser. No. 203163-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model GD530AW-2C; Model Ser. No. 203163-Up				
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	



				5.9L 359 OHV L6, 4.0197"	Bore 73
	COOLING SYSTEM				
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION Eng. Ser. No. Up to 30707204	
1 QTY	Thermostat WATER PUMP	FP-6735-61-1690 PART NO.	SIZE	Eng. Ser. No. 30707205-Up DESCRIPTION	
1	Water Pump - Heavy Duty	FP-6736-61-1202			
OT)/	CRANKSHAFT/OIL PUMP	D4DT440	0.75	PECODIPTION	
1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION	
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6731-21-8610 FP-6731-21-8620	SIZE STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION	
	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION	
	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION	
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing	
	CYL. HEAD & PARTS	FF-0/30-39-1140		Dry flousing	
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION	
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM	
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.	
QTY 12 12	, ,	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
QTY 12 12 12 12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE <i>STD .25MM .50MM .75MM</i>	DESCRIPTION	
	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION	
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION	
QTY 6 6	PISTONS Piston Body w/o Pin Piston Pin	PART NO. FP-6735-31-2111 FP-6731-31-2410	SIZE STD	DESCRIPTION	



	73 5.9L 359 OHV L6, 4.0197" Bore				
	CYLINDER COMPONENTS (cont	.)			
	PISTONS (cont.) Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION	
	ENGINE BLOCK & PARTS				
	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION	
1 6 1 1	Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411		1; O/S 2-3-4-5; O/S Narrow Wide	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6733-11-3100 FP-6735-11-3160	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION	
	Grader SA6D102E; Build Series 1-GD; Eng. Ser. SA6D102E; Build Series 1-GD; Eng. Ser. CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620	SIZE	DESCRIPTION	
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1402	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION	
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100 FP-6731-21-8610 FP-6731-21-8620	SIZE STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION	
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION	
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing	
	CYL. HEAD & PARTS				
QTY 1 1	GASKETS Head Gasket Head Gasket Set	PART NO. FP-6735-11-1821 FP-6731-11-9980	SIZE	DESCRIPTION	



				5.9L 359 OHV L6, 4.0197" Bore 74 (cont.)		
	CYL. HEAD & PARTS (cont.)					
QTY 6	GASKETS (cont.) Valve Cover Gasket	PART NO. FP-6732-11-8181	SIZE	DESCRIPTION		
	VALVE	PART NO.	SIZE	DESCRIPTION		
24	Valve Keeper	FP-6732-41-4520	·	Int. & Exh.		
6 6	Valve, Exhaust Valve, Intake	FP-6736-41-4210 FP-6736-41-4110				
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION		
12	Valve Guide	FP-6736-18-1310		Int. & Exh.; Thin wall		
6 6	Valve Guide Valve Guide	FP-6736-19-1310 FP-6736-19-1410		Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM		
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION		
12 OTV	Valve Stem Seal	FP-6732-41-4540	CIZE	Int. & Exh.		
QTY 6	VALVE SEAT Valve Seat	PART NO. FP-6732-11-1170	SIZE	DESCRIPTION Exh.		
6	Valve Seat	FP-6732-11-1180		Int.		
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12 12	Valve Spring Valve Spring Seat	FP-6732-41-4430 FP-6732-41-4510		Upper		
	CYLINDER COMPONENTS					
0=15	CONNECTING RODS &	D4DT4/2	0:	PEGAPITALI		
QTY 12	BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411	SIZE STD	DESCRIPTION		
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM			
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM			
12	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM			
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6731-31-2280	SIZE STD	DESCRIPTION		
	PISTONS	PART NO.	SIZE	DESCRIPTION		
6	Piston Pin	FP-6731-31-2410				
6 12	Piston Pin Bushing Piston Pin Retainer	FP-6732-31-3131 FP-6732-31-2420				
6	Piston With Retainers	FP-6733-31-2110	STD			
	ENGINE BLOCK & PARTS					
	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION		
1 6	Camshaft Bearing Camshaft Bearing	FP-6736-29-1410 FP-6736-29-1420		1; O/S 2-3-4-5; O/S		
1	Camshaft Bearing	FP-6732-21-1411	STD	Wide		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION		
	GASKETS	PART NO.	SIZE			
1	Oil Pan Gasket	FP-6735-21-5661		Oil pan		
	FUEL SYSTEM & PARTS					
QTY 6	FUEL INJECTION Fuel Injector - New	PART NO. FP-6731-11-3130	SIZE	DESCRIPTION		
6	Fuel Injector Nozzle	FP-6735-11-3160				
	INT & EXH MANIFOLDS					
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION		
				5.9L 359 OHV L6, 4.0197" Bore 75		
	Wheel Loader S6D102; Build Series 1; Model WA180-1LC; Model Ser. No. A75001-Up					
	CAMCHAET OROUG		S6D102;	Build Series 1; Model WA250-1LC; Model Ser. No. A65001-Up		
	CAMSHAFT GROUP CAMSHAFT/LIFTER	PART NO	CITE	DESCRIPTION		
12	Lifter	PART NO. FP-6732-41-2112	SIZE			



	,						
75	75 5.9L 359 OHV L6, 4.0197" Bore						
	(cont.)						
	COOLING SYSTEM						
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION			
1	O-Ring	FP-6732-61-6240	SIZE	DESCRIPTION			
1	Thermostat	FP-6735-61-1690					
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION			
1	Water Pump - Heavy Duty	FP-6736-61-1202					
	CRANKSHAFT/OIL PUMP						
_	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION			
1	Crankshaft	FP-6735-01-1310					
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION			
1	Main Bearing Set	FP-6735-21-8100	STD				
1	Main Bearing Set	FP-6736-29-8100	.25MM				
1	Main Bearing Set Main Bearing Set	FP-6736-28-8100 FP-6736-27-8100	.50MM .75MM				
1	Main Bearing Set	FP-6736-26-8100	1.00MM				
1	Thrust Washer	FP-6731-21-8610	.50MM				
1	Thrust Washer	FP-6731-21-8620	1.00MM				
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION			
1	Oil Pump	FP-6731-51-1111					
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION			
1	Oil Seal Oil Seal Kit	FP-6731-21-4220					
1		FP-6736-39-1221	0:==	DECORIDATION			
	SEALS - REAR CRANK Oil Seal	PART NO.	SIZE	DESCRIPTION			
1	Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing			
1	Oil Seal Kit	FP-6736-39-1140		Dry housing			
	CYL. HEAD & PARTS			. ,			
	GASKETS	PART NO.	Q17E	DESCRIPTION			
1	Head Gasket	FP-6735-11-1821	SIZE	DESCRIPTION			
1	Head Gasket Set	FP-6731-11-9980					
6	Valve Cover Gasket	FP-6732-11-8181					
QTY	VALVE	PART NO.	SIZE	DESCRIPTION			
24	Valve Keeper	FP-6732-41-4520		Int. & Exh.			
6	Valve, Exhaust	FP-6736-41-4210					
6	Valve, Intake	FP-6736-41-4110					
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION			
12	Valve Guide	FP-6736-18-1310		Int. & Exh.; Thin wall			
6 6	Valve Guide Valve Guide	FP-6736-19-1310 FP-6736-19-1410		Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM			
			CIZE	DESCRIPTION			
12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6732-41-4540	SIZE	Int. & Exh.			
	VALVE SEAT	PART NO.	SIZE				
6	Valve Seat	FP-6732-11-1170	SIZE	Exh.			
6	Valve Seat	FP-6732-11-1180		Int.			
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION			
12	Valve Spring	FP-6732-41-4430					
12	Valve Spring Seat	FP-6732-41-4510		Upper			
	CYLINDER COMPONENTS						
	CONNECTING RODS &						
	BRGS.	PART NO.	SIZE	DESCRIPTION			
12	Rod Bearing Half Upper/Lower	FP-6732-31-3411	STD				
12	Rod Bearing Half Upper/Lower	FP-6736-39-3400	.25MM				
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6736-38-3400 FP-6736-37-3400	.50MM .75MM				
12	Rod Bearing Half Upper/Lower	FP-6736-36-3400	1.00MM				
	LINERS	PART NO.	SIZE	DESCRIPTION			
6	Liner w/o Sealing Ring	FP-6736-29-2110	- -				
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION			
6	Ring Set, Single Cylinder	FP-6736-31-2030	STD				
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION			
6	Piston Kit w/Pin & Retainers	FP-6735-01-3110					
6	Piston Pin Piston Pin Rushing	FP-6736-31-2430					
6	Piston Pin Bushing	FP-6732-31-3131					



				5.9L 359 OHV L6, 4.0197" Bore 75 (cont.)
	CYLINDER COMPONE	ENTS (cont.)		
QTY 12	PISTONS (cont.) Piston Pin Retainer	<i>PART NO.</i> FP-6736-31-2510	SIZE	DESCRIPTION
	ENGINE BLOCK & PA	RTS		
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410		DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6735-01-1210	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
	FUEL SYSTEM & PAF	TS		
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6736-11-3100 FP-6731-11-3150	SIZE	DESCRIPTION
	INT & EXH MANIFOLD	os .		
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION
		S6D102E; Build Series 1W-D; Eng.	Ser. No.	5.9L 359 OHV L6, 4.0197" Bore <i>Wheel Loader</i> 26200929-Up; Model WA180-3; Model Ser. No. 53001-Up 26200929-Up; Model WA180-3A; Model Ser. No. 53001-Up 26200929-Up; Model WA180L-3; Model Ser. No. 54001-Up
		S6D102E; Build Series 1W-PT; Eng S6D102E; Build Series 1X; Eng. Se S6D102E; Build Series 1X; Eng. Se	. Ser. No r. No. 26 r. No. 26	20.26200929-Up; Model WA180PT-3; Model Ser. No. 50001-Up 200929-Up; Model WA250-3A; Model Ser. No. 53001-Up 200929-Up; Model WA250PT-3; Model Ser. No. 50001-Up 6200929-Up; Model WA250L-3-KM; Model Ser. No. 53001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1 1	THERMOSTAT O-Ring Thermostat Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620 FP-6735-61-1690	SIZE	DESCRIPTION From Eng. Ser. No. 26200929 to 30707204 Eng. Ser. No. 30707205-Up
QTY 1	WATER PUMP Water Pump - Heavy Duty	<i>PART NO.</i> FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PU	JMP		
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6735-01-1310	SIZE	DESCRIPTION
QTY 1 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	FP-6731-21-8610	SIZE STD .25MM .50MM .75MM 1.00MM .50MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6731-51-1111	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6735-K2-3001	SIZE	DESCRIPTION
1 1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing



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CYL. HEAD & PARTS				
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
12	CYLINDER COMPONENTS	11-0702-41-4310		Оррег
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
ENGINE BLOCK & PARTS				
1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6732-11-3120 FP-6732-11-3140	SIZE	DESCRIPTION
INT & EXH MANIFOLDS				
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION



5.9L 359 OHV L6, 4.0197" Bore **7**

Wheel Loader

S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA180-3 Avance Plus PTC; Model Ser. No. A85001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA180-3 Avance Plus; Model Ser. No. A81001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA180-3L; Model Ser. No. A80001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA250-3 Avance Plus PTC; Model Ser. No. A78001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA250-3 Avance Plus; Model Ser. No. A71001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA250-3L PTC; Model Ser. No. A75001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA250-3L; Model Ser. No. A70001-Up S6D102E; Build Series 1; Eng. Ser. No. 21295204-Up; Model WA250L-3; Model Ser. No. 53001-Up

	CAMSHAFT GROUP			·
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1 1	THERMOSTAT O-Ring Thermostat Thermostat	PART NO. FP-6732-61-6240 FP-6732-61-1620 FP-6735-61-1690	SIZE	DESCRIPTION Eng. Ser. No. Up to 30707204 Eng. Ser. No. 30707205-Up
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION
1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6731-21-8610 FP-6731-21-8620	STD .25MM .50MM .75MM 1.00MM .50MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION
	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper



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	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE STD .25MM .50MM .75MM	DESCRIPTION		
	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION		
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION		
	ENGINE BLOCK & PARTS					
1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	STD STD	DESCRIPTION 1; O/S 2-3-4-5; O/S Narrow Wide		
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6735-01-1210	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan		
	FUEL SYSTEM & PARTS					
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6733-11-3100 FP-6735-11-3160	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 6 1	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6736-11-5810 FP-6735-11-4812	SIZE	DESCRIPTION		
	78 5.9L 359 OHV L6, 4.0197" Bore Wheel Loader SA6D102E; Build Series 1B-C; Eng. Ser. No. 26200467-Up; Model WA320-3CS; Model Ser. No. 50001-Up SA6D102E; Build Series 1B-C; Eng. Ser. No. 26200467-Up; Model WA320-3DZ; Model Ser. No. 50001-Up SA6D102E; Build Series 1B; Eng. Ser. No. 26200467-Up; Model WA300L-3; Model Ser. No. 53001-Up SA6D102E; Build Series 1B; Eng. Ser. No. 26200467-Up; Model WA320-3 Avance Custom; Model Ser. No. 53001-Up					
QTY	CAMSHAFT GROUP CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION		
12	COOLING SYSTEM	FP-6732-41-2112				
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
1 1 1	O-Ring Thermostat Thermostat	FP-6732-61-6240 FP-6732-61-1620 FP-6735-61-1690		From Eng. Ser. No. 26200467 to 30707204 Eng. Ser. No. 30707205-Up		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6736-61-1202	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6735-01-1310	SIZE	DESCRIPTION		
QTY 1 1 1 1 1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6735-21-8100 FP-6736-29-8100 FP-6736-28-8100 FP-6736-27-8100 FP-6736-26-8100	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		



				5.9L 359 OHV L6, 4.0197" Bore 78
	CRANKSHAFT/OIL PUMP (cont.)			
QTY 1 1	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer	PART NO. FP-6731-21-8610 FP-6731-21-8620	SIZE .50MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6731-51-1111	SIZE	DESCRIPTION
QTY 1 1	SEALS - FRONT CRANK Oil Seal Oil Seal Kit	PART NO. FP-6731-21-4220 FP-6736-39-1221	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6735-11-1821 FP-6731-11-9980 FP-6732-11-8181	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6732-41-4520 FP-6736-41-4210 FP-6736-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12 6 6	VALVE GUIDE Valve Guide Valve Guide Valve Guide Valve Guide	PART NO. FP-6736-18-1310 FP-6736-19-1310 FP-6736-19-1410	SIZE	DESCRIPTION Int. & Exh.; Thin wall Int.; Thick wall, 60.50MM Exh.; Thick wall, 51.75MM
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6732-41-4540	SIZE	DESCRIPTION Int. & Exh.
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6732-11-1170 FP-6732-11-1180	SIZE	DESCRIPTION Exh. Int.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6732-41-4430 FP-6732-41-4510	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			- ''
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6732-31-3411 FP-6736-39-3400 FP-6736-38-3400 FP-6736-37-3400 FP-6736-36-3400	SIZE <i>STD .25MM .50MM .75MM</i>	DESCRIPTION
QTY 6	LINERS Liner w/o Sealing Ring	PART NO. FP-6736-29-2110	SIZE	DESCRIPTION
6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6738-31-2031	SIZE STD	DESCRIPTION
QTY 6 6 6 12 6	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer Piston w/Retainer & Rings	PART NO. FP-6735-31-2111 FP-6731-31-2410 FP-6732-31-3131 FP-6732-31-2420 FP-6735-31-2140	SIZE STD	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 1 6 1	CAM BEARINGS Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing Camshaft Bearing	PART NO. FP-6736-29-1410 FP-6736-29-1420 FP-6732-21-1410 FP-6732-21-1411	SIZE STD STD	1; O/S 2-3-4-5; O/S
	GASKET SETS Conversion Gasket Set	PART NO. FP-6735-01-1210	SIZE	
	GASKETS Oil Pan Gasket	PART NO. FP-6735-21-5661	SIZE	DESCRIPTION Oil pan
	•	, .		



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	78 5.9L 359 OHV L6, 4.0197" Bore					
<u> </u>	FUEL SYSTEM & PARTS					
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION		
6	Fuel Injector - New	FP-6732-11-3120	O.LL	DESCRIPTION		
6	Fuel Injector Nozzle	FP-6732-11-3140				
	INT & EXH MANIFOLDS					
QΤΥ	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION		
6 1	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6736-11-5810 FP-6735-11-4812				
79		38" Bore				
	Dozer 6D105; Build Series 1M-P; From Eng.	Ser. No. 15149 to 49999:	: Model D4	IOA-3: Model Ser. No. 6001-Up		
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng. 6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng. 6D105; Build Series 1M-P; From Eng.	Ser. No. 15149 to 49999;	, wodel D4 : Model D4	11F-3: Model Ser. No. 6001-Up		
	6D105; Build Series 1M-P; From Eng.					
	6D105; Build Series 1M-P; From Eng.	Ser. No. 15149 to 49999	; Model D4	I1Q-3; Model Ser. No. 6001-Up		
	6D105; Build Series 1M-P; From Eng.	Ser. No. 15149 to 49999;	; Model D4	11S-3; Model Ser. No. 6001-Up		
	CAMSHAFT GROUP					
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION		
12	Lifter	FP-6136-42-2111				
	COOLING SYSTEM					
QTY 1	THERMOSTAT O-Ring	PART NO. FP-6136-11-6810	SIZE	DESCRIPTION		
1	Thermostat	FP-600-421-6210				
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6136-61-1402				
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1	Crankshaft	FP-6136-31-1010				
QTY 1	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6136-21-8000	SIZE	DESCRIPTION		
7	Main Bearing, Flanged	FP-6136-21-8010	STD			
7	Main Bearing, Flanged	FP-6136-29-8010	.25MM			
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-28-8010 FP-6136-27-8010	.50MM .75MM			
7	Main Bearing, Flanged	FP-6136-26-8010	1.00MM			
1	Thrust Washer	FP-6134-21-8050	STD			
1	Thrust Washer Thrust Washer	FP-6134-29-8050 FP-6134-28-8050	.25MM .50MM			
1	Thrust Washer	FP-6136-27-8050	.75MM			
1	Thrust Washer	FP-6136-26-8050	1.00MM			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6136-51-1002	SIZE	DESCRIPTION		
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6136-22-3510	SIZE	DECOMIF HON		
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6130-21-4231				
	CYL. HEAD & PARTS					
	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket Head Gasket Set	FP-6137-12-1811 FP-6136-K1-9901				
1	Valve Cover Gasket	FP-6136-11-8814				
QTY	PUSH RODS	PART NO.	SIZE	DESCRIPTION		
12	Push Rod	FP-6136-42-3120				
		(continu	ed on nev	t nogo)		



				6.5L 396 OHV L6, 4.1338" Bore 79
	CYL. HEAD & PARTS (cont.)			
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-41-4520 FP-6136-41-4211 FP-6136-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6134-11-1320 FP-6136-11-1311	SIZE	DESCRIPTION Exh. Int.
QTY 12 12 12	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6136-41-4410 FP-6136-41-4510 FP-6136-41-4530	SIZE	DESCRIPTION Upper Lower
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK62112 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-31-2112 FP-6136-31-2012 FP-6136-31-2410 FP-6136-31-3130 FP-04065-04018	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6136-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION



80		8" Bore				
	## Dozer 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40A-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40AM-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40F-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40P-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40PF-3A; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40PL-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40PLL-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D40PLL-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41A-3A; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41A-3C; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41A-3C; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41P-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41P-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41P-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41P-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41P-3; Model Ser. No. 6001-Up 6D105; Build Series 1M-P; Eng. Ser. No. 50001-Up; Model D41P-3; Model Ser. No. 6001-Up					
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION		
	COOLING SYSTEM					
	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1402	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP	0.00 01 1.02				
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1	Crankshaft	FP-6136-31-1010				
1 7 7 7 7 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6136-26-8050 FP-6136-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
	OIL PUMP Oil Pump	PART NO. FP-6136-52-1100	SIZE	DESCRIPTION		
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION		
	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6136-K1-9901 FP-6136-11-8814		DESCRIPTION		
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION		
24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake VALVE GUIDE	PART NO. FP-6136-42-4520 FP-6136-42-4211 FP-6136-42-4110	STD	DESCRIPTION Int. & Exh.		
12	Valve Guide VALVE SEAT	PART NO. FP-6136-19-1430	SIZE			
6	Valve Seat Valve Seat Valve Seat	PART NO. FP-6136-12-1310 FP-6136-12-1320	SIZE	Int. Exh.		
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6136-42-4410 FP-6136-41-4530	SIZE	DESCRIPTION Lower		
12	vaive opining deat	11-0100-41-4000		LOWOI		



				6.5L 396 OHV L6, 4.1338" Bore	80 (cont.)
	CYL. HEAD & PARTS (cont.)				<u>, , , , , , , , , , , , , , , , , , , </u>
	VALVE SPRING (cont.)	PART NO.	SIZE	DESCRIPTION	
12	.	FP-6136-42-4510		Upper	
	CYLINDER COMPONENTS				
ΩTY	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION	
6	Connecting Rod Bearing Pair	FP-6138-31-3040	STD		
6 6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-39-3050 FP-6138-38-3050	.25MM .50MM		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-37-3050	.75MM		
6	Connecting Rod Bearing Pair	FP-6138-36-3050	1.00MM		
YTÇ	LINERS Cylinder Kit Complete	<i>PART NO.</i> FP-LK322110	SIZE	DESCRIPTION	
6	Liner w/o Sealing Ring	FP-6137-22-2210			
6	O-Ring	FP-6136-21-2230			
6 6	O-Ring Sealing Ring, Liner	FP-6136-21-2240 FP-6136-21-2220			
YTÇ	PISTON RINGS	PART NO.	SIZE	DESCRIPTION	
6	Ring Set, Single Cylinder	FP-6136-31-2030			
	PISTONS	PART NO.	SIZE	DESCRIPTION	
6 6	Piston Body w/o Pin Piston Kit w/Pin & Retainers	FP-6136-32-2110 FP-6136-32-2010			
6	Piston Pin	FP-6136-31-2410			
6 12	Piston Pin Bushing Piston Pin Retainer	FP-6136-32-3130 FP-04065-04018			
	ENGINE BLOCK & PARTS				
TV	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION	
4	Camshaft Bearing	FP-6136-21-1410	0.22	52551 115.11	
TY	GASKET SETS Conversion Gasket Set	PART NO. FP-6136-K2-9901	SIZE	DESCRIPTION	
TY	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
7TY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
YTÇ	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION	
3 2	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6135-11-5810 FP-6136-11-4850			
				6.5L 396 OHV L6, 4.1338" Bore	81
				er. No. 50001-Up; Model PC200-1; Model Ser. No. 10001-Up	
				er. No. 50001-Up; Model PC200-2; Model Ser. No. 15001-Up er. No. 50001-Up; Model PC200LC-2; Model Ser. No. 15001-Up	
				er. No. 52271-Up; Model PC200LC-2, Model Ser. No. 15001-Up	
				er. No. 52271-Up; Model PC150LC-1; Model Ser. No. 1001-Up	
	CAMSHAFT GROUP				
YT	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION	
12		FP-6136-42-2111			
	COOLING SYSTEM				
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION	
1	O-Ring Thermostat	FP-6136-11-6810 FP-600-421-6210			
TY	WATER PUMP	PART NO. FP-6136-61-1102	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
TY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION	
TY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION	
1	Main Bearing and Thrust Washer	FP-6136-21-8000			



_	81 6.5L 396 OHV L6, 4.1338" Bore				
	CRANKSHAFT/OIL PUMP (cont.)				
	MAIN BEARINGS (cont.) Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010	SIZE STD .25MM .50MM	DESCRIPTION	
7 7 1 1	Main Bearing, Flanged Main Bearing, Flanged Thrust Washer Thrust Washer	FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050	.75MM 1.00MM STD .25MM		
1 1 0TY	Thrust Washer Thrust Washer Thrust Washer OIL PUMP	FP-6134-28-8050 FP-6136-27-8050 FP-6136-26-8050 PART NO.	.50MM .75MM 1.00MM	DESCRIPTION	
1	Oil Pump SEALS - FRONT CRANK	FP-6136-52-1100 PART NO.	SIZE	DESCRIPTION	
	Oil Seal SEALS - REAR CRANK	FP-6136-22-3510 PART NO.	SIZE	DESCRIPTION	
1	Oil Seal CYL. HEAD & PARTS	FP-6130-21-4231			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6136-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION	
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6136-42-4211 FP-6136-42-4110	SIZE STD	DESCRIPTION Int. & Exh.	
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1430	SIZE	DESCRIPTION	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6136-12-1310 FP-6136-12-1320	SIZE	DESCRIPTION Int. Exh.	
12 12 12 12	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6136-42-4410 FP-6136-41-4530 FP-6136-42-4510	SIZE	DESCRIPTION Lower Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK322110 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION	
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-32-2110 FP-6136-32-2010 FP-6136-31-2410 FP-6136-32-3130 FP-04065-04018	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION	



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				6.5L 396 OHV L6, 4.1338" Bo	re 81 (cont.)
	ENGINE BLOCK & PARTS	(cont.)			
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6136-K2-9901	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6136-21-5821	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
QTY 6	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION	
				6.5L 396 OHV L6, 4.1338" Bo	
	6D1	05; Build Series 1F; From Eng.	Ser. No.	12218 to 49999; Model PC200-1; Model Ser. No. 10001-U 12218 to 49999; Model PC200-2; Model Ser. No. 15001-U 12218 to 49999; Model PC200LC-2; Model Ser. No. 15001	0
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6136-42-2111	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810	SIZE	DESCRIPTION	
	Thermostat WATER PUMP Water Pump - Heavy Duty	FP-600-421-6210 PART NO. FP-6136-61-1102	SIZE	DESCRIPTION	
-	CRANKSHAFT/OIL PUMP				
	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION	
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION	
1 7	Main Bearing and Thrust Washer Main Bearing, Flanged	FP-6136-21-8000 FP-6136-21-8010	STD		
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-29-8010	.25MM		
7	Main Bearing, Flanged	FP-6136-28-8010	.50MM		
7	Main Bearing, Flanged	FP-6136-27-8010	.75MM		
7	Main Bearing, Flanged	FP-6136-26-8010	1.00MM		
1	Thrust Washer	FP-6134-21-8050	STD		
1	Thrust Washer	FP-6134-29-8050	.25MM		
1	Thrust Washer Thrust Washer	FP-6134-28-8050 FP-6136-27-8050	.50MM .75MM		
1	Thrust Washer	FP-6136-26-8050	1.00MM		
				DECODIDATION	
1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6136-51-1002	SIZE	DESCRIPTION	
QTY 1	SEALS - FRONT CRANK Oil Seal	<i>PART NO.</i> FP-6136-22-3510	SIZE	DESCRIPTION	
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6130-22-4231	SIZE	DESCRIPTION	
	CYL. HEAD & PARTS				
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION	·
1	Head Gasket	FP-6137-12-1811			
1	Head Gasket Set	FP-6136-K1-9901			
1	Valve Cover Gasket	FP-6136-11-8814			
QTY 12	PUSH RODS Push Rod	<i>PART NO.</i> FP-6136-42-3120	SIZE	DESCRIPTION	
QTY	VALVE	PART NO.	SIZE	DESCRIPTION	
24	Valve Keeper	FP-6136-41-4520		Int. & Exh.	
6	Valve, Exhaust	FP-6136-41-4211			
6	Valve, Intake	FP-6136-41-4110			
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION	
		(continue		4 \	



	82 6.5L 396 OHV L6, 4.1338" Bore					
	CYL. HEAD & PARTS (cont.)					
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6134-11-1320 FP-6136-11-1311	SIZE	DESCRIPTION Exh. Int.		
QTY 12 12 12	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6136-41-4410 FP-6136-41-4510 FP-6136-41-4530	SIZE	Upper Lower		
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK62112 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION		
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-31-2112 FP-6136-31-2012 FP-6136-31-2410 FP-6136-31-3130 FP-04065-04018	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6136-K2-9901	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		
	83 6.5L 396 OHV L6, 4.1338" Bore Excavator S6D105; Build Series 1G; From Eng. Ser. No. 12124 to 49999; Model PC220-2; Model Ser. No. 11001-Up S6D105; Build Series 1G; From Eng. Ser. No. 12124 to 49999; Model PC220LC-2; Model Ser. No. 11001-Up					
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION		
	COOLING SYSTEM					
1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6136-61-1601 FP-6136-61-1701	SIZE	DESCRIPTION Sandy/Dusty		



6.5L 396 OHV L6, 4.1338" Bore 83

				0.5L 390 OH	v Lo, 4.1000	(cont.)
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION		
1	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6136-21-8000	SIZE	DESCRIPTION		
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-21-8010 FP-6136-29-8010	STD .25MM			
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-28-8010 FP-6136-27-8010	.50MM .75MM			
7	Main Bearing, Flanged Thrust Washer	FP-6136-26-8010 FP-6134-21-8050	1.00MM STD			
1	Thrust Washer Thrust Washer	FP-6134-29-8050 FP-6134-28-8050	.25MM .50MM			
1	Thrust Washer Thrust Washer	FP-6136-27-8050 FP-6136-26-8050	.75MM 1.00MM			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6136-51-1002	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION		
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
QTY 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6137-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION		
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION		
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-41-4520 FP-6136-41-4211 FP-6136-41-4110	SIZE	DESCRIPTION Int. & Exh.		
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION		
QTY 6	VALVE SEAT Valve Seat	PART NO. FP-6134-11-1320	SIZE	DESCRIPTION Exh.		
6 OTV	Valve Seat VALVE SPRING	FP-6136-11-1311 PART NO.	SIZE	Int. DESCRIPTION		
12 12	Valve Spring Valve Spring Seat	FP-6136-41-4410 FP-6136-41-4530	SIZL	Lower		
12	Valve Spring Seat CYLINDER COMPONENTS	FP-6136-42-4510		Upper		
	CONNECTING RODS &					
6	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040	SIZE STD	DESCRIPTION		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-39-3050 FP-6138-38-3050	.25MM .50MM			
6 6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-37-3050 FP-6138-36-3050	.75MM 1.00MM			
QTY 6	LINERS Cylinder Kit Complete	PART NO. FP-LK312112	SIZE	DESCRIPTION		
6 6	Liner w/o Sealing Ring O-Ring	FP-6137-22-2210 FP-6136-21-2230				
6	O-Ring Sealing Ring, Liner	FP-6136-21-2240 FP-6136-21-2220				
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6137-31-2032	SIZE	DESCRIPTION		
QTY 6	PISTONS Piston Body w/o Pin	PART NO. FP-6137-31-2112	SIZE	DESCRIPTION		
6	Piston Kit w/Pin & Retainers Piston Pin	FP-6137-31-2012 FP-6137-31-2410				
6	Piston Pin Bushing Piston Pin Retainer	FP-6136-31-3130 FP-04065-04018				
			od on nov			



	83 6.5L 396 OHV L6, 4.1338" Bore						
	ENGINE BLOCK & PARTS						
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION			
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION			
	FUEL SYSTEM & PARTS						
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION			
84	84 6.5L 396 OHV L6, 4.1338" Bore Excavator S6D105; Build Series 1G; Eng. Ser. No. 50001-Up; Model PC220-2; Model Ser. No. 11001-Up S6D105; Build Series 1G; Eng. Ser. No. 50001-Up; Model PC220LC-2; Model Ser. No. 11001-Up						
	CAMSHAFT GROUP						
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION			
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1601	SIZE	DESCRIPTION			
1	Water Pump - Heavy Duty	FP-6136-61-1701		Sandy/Dusty			
	CRANKSHAFT/OIL PUMP						
1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010		DESCRIPTION			
1 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-21-8000 FP-6136-21-8010	STD	DESCRIPTION			
7 7 7 7	Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010 FP-6136-26-8010	.25MM .50MM .75MM				
1 1 1 1	Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer	FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050	1.00MM STD .25MM .50MM				
1	Thrust Washer Thrust Washer	FP-6136-27-8050 FP-6136-26-8050	.75MM 1.00MM				
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6136-52-1100	SIZE	DESCRIPTION			
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION			
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION			
	CYL. HEAD & PARTS						
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION			
1 1 1	Head Gasket Head Gasket Set Valve Cover Gasket	FP-6136-11-1814 FP-6137-K1-9901 FP-6136-11-8812					
	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION			
QTY 24	VALVE Valve Keeper	PART NO. FP-6136-42-4520	SIZE	DESCRIPTION Int. & Exh.			
6 6	Valve, Exhaust Valve, Intake	FP-6136-42-4211 FP-6136-42-4110	STD	III. A LAII.			



				6.5L 396 OHV L6, 4.1338" Bore 84 (cont.)
	CYL. HEAD & PARTS (cont.)			
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1430	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6136-12-1310 FP-6136-12-1320	SIZE	DESCRIPTION Int. Exh.
12 12 12	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6136-42-4410 FP-6136-41-4530 FP-6136-42-4510	SIZE	DESCRIPTION Lower Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK72110 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6137-31-2032	SIZE	DESCRIPTION
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6137-32-2110 FP-6137-32-2010 FP-6137-31-2410 FP-6136-32-3130 FP-04065-04018	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION



6.5L 396 OHV L6, 4.1338" Bore Excavator S6D105; Build Series 1B; Eng. Ser. No. 97284-Up; Model PC210-3; Model Ser. No. K10001-Up S6D105; Build Series 1B; Eng. Ser. No. 97284-Up; Model PC210LC-3; Model Ser. No. K10001-Up S6D105; Build Series 1VV; Eng. Ser. No. 86432-Up; Model PW210-1; Model Ser. No. 10001-Up S6D105; Build Series 1Z; Eng. Ser. No. 62361-Up; Model PC220-3; Model Ser. No. 20001-Up S6D105; Build Series 1Z; Eng. Ser. No. 62361-Up; Model PC220LC-3; Model Ser. No. 20001-Up S6D105; Build Series 1Z; Eng. Ser. No. 62361-Up; Model PC220NLC-3; Model Ser. No. 20001-Up S6D105; Build Series 1Z; Eng. Ser. No. 97407-Up; Model PC240-3K; Model Ser. No. K10001-Up S6D105; Build Series 1Z; Eng. Ser. No. 97407-Up; Model PC240LC-3K; Model Ser. No. K10001-Up S6D105; Build Series 1Z; Eng. Ser. No. 97407-Up; Model PC240NLC-3K; Model Ser. No. K10001-Up S6D105; Build Series B-1A; Eng. Ser. No. 61481-Up; Model PC200-3; Model Ser. No. 20001-Up S6D105; Build Series B-1A; Eng. Ser. No. 61481-Up; Model PC200LC-3; Model Ser. No. 20001-Up S6D105; Build Series B-1A; Eng. Ser. No. 78966-Up; Model PF55L-1; Model Ser. No. 10001-Up **CAMSHAFT GROUP** QTY CAMSHAFT/LIFTER PART NO. SIZE DESCRIPTION 12 Lifter FP-6136-42-2111 **COOLING SYSTEM** QTY THERMOSTAT PART NO. SIZE DESCRIPTION O-Ring FP-6136-11-6810 FP-600-421-6210 1 Thermostat QTY WATER PUMP SIZE DESCRIPTION PART NO Water Pump - Heavy Duty FP-6136-62-1100 **CRANKSHAFT/OIL PUMP** QTY CRANKSHAFT PART NO. SIZE DESCRIPTION Crankshaft FP-6136-31-1010 **QTY MAIN BEARINGS** PART NO. SIZE DESCRIPTION Main Bearing and Thrust Washer FP-6136-21-8000 Main Bearing, Flanged FP-6136-21-8010 7 STD 7 Main Bearing, Flanged FP-6136-29-8010 .25MM 7 Main Bearing, Flanged FP-6136-28-8010 .50MM Main Bearing, Flanged 7 FP-6136-27-8010 .75MM Main Bearing, Flanged 7 FP-6136-26-8010 1.00MM 1 Thrust Washer FP-6134-21-8050 STD Thrust Washer FP-6134-29-8050 .25MM 1 Thrust Washer .50MM 1 FP-6134-28-8050 Thrust Washer FP-6136-27-8050 .75MM 1 FP-6136-26-8050 **Thrust Washer** 1.00MM 1 QTY OIL PUMP PART NO. SIZE DESCRIPTION Oil Pump FP-6136-52-1100 QTY **SEALS - FRONT CRANK** PART NO. SIZE DESCRIPTION 1 Oil Seal FP-6136-22-3510 QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION Oil Seal FP-6130-22-4231 **CYL. HEAD & PARTS** QTY GASKETS PART NO. SIZE DESCRIPTION Head Gasket FP-6136-11-1813 1 Head Gasket Set FP-6137-K1-9901 1 Valve Cover Gasket FP-6136-11-8814 **PUSH RODS** QTY PART NO. SIZE DESCRIPTION Push Rod FP-6136-42-3120 12 QTY VALVE PART NO. SIZE DESCRIPTION Valve Keeper 24 FP-6136-42-4520 Int. & Exh. Valve, Exhaust FP-6136-42-4211 STD 6 Valve, Intake FP-6138-42-4110 STD **VALVE GUIDE** QTY PART NO. SIZE DESCRIPTION Valve Guide FP-6136-19-1430 12 QTY VALVE SEAT PART NO. SIZE **DESCRIPTION** Valve Seat FP-6136-12-1320 Fxh. 6 Valve Seat FP-6138-12-1310 Int. QTY **VALVE SPRING** SIZE DESCRIPTION PART NO. 12 Valve Spring FP-6136-42-4410 Valve Spring Seat FP-6136-41-4530 12 Lower FP-6136-42-4510

(continued on next page)

Upper

12

Valve Spring Seat



				6.5L 396 OHV L6, 4.1338" Bore 85
	CYLINDER COMPONENTS			(cont.)
	CONNECTING RODS &			
	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6138-31-3040	STD	
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-39-3050 FP-6138-38-3050	.25MM .50MM	
6	Connecting Rod Bearing Pair	FP-6138-37-3050	.75MM	
6	Connecting Rod Bearing Pair	FP-6138-36-3050	1.00MM	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION
6	Cylinder Kit Complete	FP-LK372110		
6	Liner w/o Sealing Ring	FP-6137-22-2210		
6 6	O-Ring O-Ring	FP-6136-21-2230 FP-6136-21-2240		
6	O-ning Sealing Ring, Liner	FP-6136-21-2220		
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6137-31-2040	SIZE	DESCRIPTION
	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin	FP-6137-32-2110	JIZE	DESCRIPTION
6	Piston Kit w/Pin & Retainers	FP-6137-32-2010		
6	Piston Pin	FP-6137-31-2410		
6	Piston Pin Bushing Piston Pin Retainer	FP-6136-32-3130		
12		FP-04065-04018		
	ENGINE BLOCK & PARTS			
	CAM BEARINGS	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
4	Camshaft Bearing		0.75	DECORIDEION
	GASKET SETS Conversion Gasket Set	PART NO.	SIZE	DESCRIPTION
1		FP-6137-K2-9901	0.75	DECORPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6136-21-5821	SIZE	DESCRIPTION
·		FF-0130-21-3021		
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
3	Exhaust Manifold Gasket	FP-6135-11-5810		
2	Intake Manifold Gasket	FP-6136-11-4850		
				6.5L 396 OHV L6, 4.1338" Bore 86
	OD 405 . F			Grader
	6D105; E	build Series 1P; From Eng	J. Ser. No	. 16877 to 49999; Model GD405A-1; Model Ser. No. 16877-Up
	CAMSHAFT GROUP			
	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6136-42-2111		
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6136-11-6810		
1	Thermostat	FP-600-421-6210		
		PART NO.	SIZE	DESCRIPTION
	WATER PUMP			
QTY 1	WATER PUMP Water Pump - Heavy Duty	FP-6136-61-1102		
1	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT	FP-6136-61-1102 PART NO.	SIZE	DESCRIPTION
1 QTY 1	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft	FP-6136-61-1102		
QTY 1 QTY	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS	PART NO. FP-6136-31-1010 PART NO.		
1 QTY 1 QTY 1	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000	SIZE	DESCRIPTION
1 QTY 1 QTY 1 7	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000 FP-6136-21-8010	SIZE SIZE	DESCRIPTION
1 QTY 1 QTY 1	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010	SIZE SIZE STD .25MM	DESCRIPTION
1 QTY 1 QTY 1 7	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000 FP-6136-21-8010	SIZE SIZE	DESCRIPTION
1 QTY 1 QTY 1 7 7 7 7	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010 FP-6136-26-8010	SIZE SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
1 QTY 1 QTY 1 7 7 7 7 7	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050	SIZE SIZE STD .25MM .50MM .75MM 1.00MM STD	DESCRIPTION
1 QTY 1 QTY 1 7 7 7 7	Water Pump - Heavy Duty CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-31-1010 PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010 FP-6136-26-8010	SIZE SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION



86 (con		B" Bore		
	CRANKSHAFT/OIL PUMP (cont.)			
QTY 1 1	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer	PART NO. FP-6136-27-8050 FP-6136-26-8050	SIZE .75MM 1.00MM	DESCRIPTION
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6136-51-1002	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6137-12-1811 FP-6136-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-41-4520 FP-6136-41-4211 FP-6136-41-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6134-11-1320 FP-6136-11-1311	SIZE	DESCRIPTION Exh. Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12 12 12	Valve Spring Valve Spring Seat Valve Spring Seat	FP-6136-41-4410 FP-6136-41-4510 FP-6136-41-4530		Upper Lower
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
6 6 6 6 6	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK62112 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-31-2112 FP-6136-31-2012 FP-6136-31-2410 FP-6136-31-3130 FP-04065-04018	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6136-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION



	DIESEL®			Komatsu on nigilwa
				6.5L 396 OHV L6, 4.1338" Bore (cont
	INT & EXH MANIFOLDS			
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
				6.5L 396 OHV L6, 4.1338" Bore 87
		6D105; Build Series 1I	P; Eng. S	er. No. 50001-Up; Model GD405A-1; Model Ser. No. 16877-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1102	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION
QTY 1 7 7 7 7 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM	DESCRIPTION
1 1 QTY	Thrust Washer Thrust Washer OIL PUMP	FP-6136-27-8050 FP-6136-26-8050 PART NO.	.75MM 1.00MM	DESCRIPTION
1	Oil Pump	FP-6136-52-1100	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6130-21-4231	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6136-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6136-42-4211 FP-6136-42-4110	SIZE STD	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1430	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6136-12-1310 FP-6136-12-1320	SIZE	DESCRIPTION Int. Exh.
QTY 12 12 12	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6136-42-4410 FP-6136-41-4530 FP-6136-42-4510	SIZE	DESCRIPTION Lower Upper
	CYLINDER COMPONENTS	3.00 12 1010		-rr-
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040	SIZE STD	DESCRIPTION



_	87 6.5L 396 OHV L6, 4.1338" Bore (cont.)					
	CYLINDER COMPONENTS (cont.)				
	CONNECTING RODS & BRGS. (cont.) Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK322110 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION		
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6136-32-2110 FP-6136-32-2010 FP-6136-31-2410 FP-6136-32-3130 FP-04065-04018	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6136-K2-9901	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION		
88	8 6.5L 396 OHV L6, 4.1338 Grader S6D105; Build Series 1F; From Eng. Ser.		Model GD:	505A-2; Model Ser. No. 50003-Up		
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6136-61-1102 FP-6136-61-1701	SIZE	DESCRIPTION Sandy/Dusty		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION		
1 7 7 7 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010 FP-6136-27-8010	SIZE STD .25MM .50MM .75MM	DESCRIPTION		
7 1 1 1	Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer	FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050	1.00MM STD .25MM .50MM			



				6.5L 396 OHV L6, 4.1338" Bore 86	
	CRANKSHAFT/OIL PUMP (cont.)			(661)	,
QTY 1 1	MAIN BEARINGS (cont.) Thrust Washer Thrust Washer	PART NO. FP-6136-27-8050 FP-6136-26-8050	SIZE .75MM 1.00MM	1	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6136-51-1002	SIZE	DESCRIPTION	
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION	
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION	
	CYL. HEAD & PARTS				
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6137-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION	
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-41-4520 FP-6136-41-4211 FP-6136-41-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1331	SIZE	DESCRIPTION	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6134-11-1320 FP-6136-11-1311	SIZE	EXPLICATION Exh. Int.	
12	VALVE SPRING Valve Spring	PART NO. FP-6136-41-4410	SIZE		
12 12	Valve Spring Seat Valve Spring Seat	FP-6136-41-4530 FP-6136-42-4510		Lower Upper	
	CYLINDER COMPONENTS CONNECTING RODS &				
QTY 6 6 6 6 6	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM) 1 1	
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK312112 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6137-31-2032	SIZE	DESCRIPTION	
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6137-31-2112 FP-6137-31-2012 FP-6137-31-2410 FP-6136-31-3130 FP-04065-04018	SIZE	EDESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION	



8 6 (cor		38" Bore						
	INT & EXH MANIFOLDS							
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION				
89	89 6.5L 396 OHV L6, 4.1338" Bore Grader S6D105; Build Series 1KK; Eng. Ser. No. 10281-Up; Model GD525A-1; Model Ser. No. 50001-Up S6D105; Build Series 1KK; Eng. Ser. No. 10281-Up; Model GD525A-1B; Model Ser. No. 50001-Up S6D105; Build Series 1PP; Eng. Ser. No. 81520-Up; Model GD611A-1; Model Ser. No. 10001-Up S6D105; Build Series 1PP; Eng. Ser. No. 81520-Up; Model GD621A-1; Model Ser. No. 10001-Up S6D105; Build Series 1PP; Eng. Ser. No. 81520-Up; Model GD621R-1; Model Ser. No. 10001-Up S6D105; Build Series 1YY; Eng. Ser. No. 91468-Up; Model GD515A-1; Model Ser. No. 50001-Up							
	CAMSHAFT GROUP							
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6136-42-2111	SIZE	DESCRIPTION				
	COOLING SYSTEM							
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION				
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1501	SIZE	DESCRIPTION				
	CRANKSHAFT/OIL PUMP							
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION				
1 7 7 7 7 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6136-27-8050 FP-6136-27-8050 FP-6136-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION				
1	'	PART NO. FP-6136-52-1100	SIZE	DESCRIPTION				
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION				
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION				
	CYL. HEAD & PARTS							
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6137-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION				
12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION				
24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6136-42-4211 FP-6138-42-4110	SIZE STD STD	Int. & Exh.				
12		PART NO. FP-6136-19-1430		DESCRIPTION				
6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6136-12-1320 FP-6138-12-1310		DESCRIPTION Exh. Int.				
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6136-42-4410 FP-6136-41-4530		Lower				



				6.5L 396 OHV L6, 4.1338" Bore 89
	CYL. HEAD & PARTS (cont.)			,
QTY	VALVE SPRING (cont.)	PART NO.	SIZE	DESCRIPTION
12	Valve Spring Seat	FP-6136-42-4510		Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050 FP-6138-36-3050	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK322130 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-6137-31-2040	SIZE	DESCRIPTION
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6137-32-2130 FP-6137-32-2030 FP-6137-31-2410 FP-6136-32-3130 FP-04065-04018	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
				6.5L 396 OHV L6, 4.1338" Bore Grader
		S6D105; Build Series 1F	; Eng. Se	er. No. 50001-Up; Model GD505A-2; Model Ser. No. 50003-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6210	SIZE	DESCRIPTION
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6136-61-1102 FP-6136-61-1701	SIZE	DESCRIPTION Sandy/Dusty
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION
QTY 1 7 7 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6136-21-8000 FP-6136-21-8010 FP-6136-29-8010 FP-6136-28-8010	SIZE STD .25MM .50MM	DESCRIPTION



CRANKSHAFT/OIL PUMP (cont.) Valan Bearing, Flanged PART NO. SIZE DESCRIPTION PART NO. TOMM Part No. Tomat Washer PART NO. SIZE DESCRIPTION PART NO. Tomat Washer PART NO. SIZE DESCRIPTION PART NO. Tomat Washer PART NO. SIZE DESCRIPTION SIZE DESCR		90 6.5L 396 OHV L6, 4.1338" Bore					
7 Main Bearing, Flanged		CRANKSHAFT/OIL PUMP (cont.)					
1	7 7 1 1 1	Main Bearing, Flanged Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6136-27-8050	.75MM 1.00MM STD .25MM .50MM .75MM	DESCRIPTION		
1 Oil Seal				SIZE	DESCRIPTION		
1 Oil Seal				SIZE	DESCRIPTION		
				SIZE	DESCRIPTION		
1 Head Gasket FP-6138-11-1814 Head Gasket Set FP-6138-11-1814 Head Gasket Set FP-6138-11-1812 FP-6138-11-8812 FP-6138-11-8812 FP-6138-42-3120 FP-6136-42-4520 FP-6136-42-4520 FP-6136-42-4520 FP-6136-42-4520 FP-6136-42-4520 FP-6136-42-4520 FP-6136-42-4110 STD FP-6136-12-1310 Int. & Exh. FP-6136-12-1310 Int. & Exh. FP-6136-12-1310 Int. FP-6136-12-1310		CYL. HEAD & PARTS					
12 Push Rod	1 1 1	Head Gasket Head Gasket Set Valve Cover Gasket	FP-6136-11-1814 FP-6137-K1-9901	SIZE	DESCRIPTION		
1.1				SIZE	DESCRIPTION		
12	24 6	Valve Keeper Valve, Exhaust	FP-6136-42-4520 FP-6136-42-4211				
Alive Seat			-	SIZE	DESCRIPTION		
12	6	Valve Seat	FP-6136-12-1310	SIZE	Int.		
CONNECTING RODS & PART NO. SIZE DESCRIPTION	12 12	Valve Spring Valve Spring Seat	FP-6136-42-4410 FP-6136-41-4530	SIZE	Lower		
Connecting Rod Bearing Pair FP-6138-31-3040 STD STD		CYLINDER COMPONENTS					
6	QTY 6 6 6 6	BRGS. Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050	STD .25MM .50MM .75MM	DESCRIPTION		
G Ring Set, Single Cylinder FP-6137-31-2032 QTY PISTONS PART NO. 6 Piston Body w/o Pin 6 Piston Kit w/Pin & Retainers FP-6137-32-2110 6 Piston Pin FP-6137-31-2410 6 Piston Pin Bushing FP-6136-32-3130 12 Piston Pin Retainer FP-04065-04018 ENGINE BLOCK & PARTS QTY CAM BEARINGS Camshaft Bearing PART NO. FP-6136-21-1410 QTY GASKET SETS PART NO. SIZE DESCRIPTION	6 6 6	Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring	FP-LK72110 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240	SIZE	DESCRIPTION		
6 Piston Body w/o Pin FP-6137-32-2110 6 Piston Kit w/Pin & Retainers FP-6137-32-2010 6 Piston Pin FP-6137-31-2410 6 Piston Pin Bushing FP-6136-32-3130 12 Piston Pin Retainer FP-04065-04018 ENGINE BLOCK & PARTS QTY CAM BEARINGS PART NO. SIZE DESCRIPTION 4 Camshaft Bearing FP-6136-21-1410 QTY GASKET SETS PART NO. SIZE DESCRIPTION				SIZE	DESCRIPTION		
QTY CAM BEARINGS PART NO. SIZE DESCRIPTION 4 Camshaft Bearing FP-6136-21-1410 QTY GASKET SETS PART NO. SIZE DESCRIPTION	6 6 6	Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing	FP-6137-32-2110 FP-6137-32-2010 FP-6137-31-2410 FP-6136-32-3130	SIZE	DESCRIPTION		
4 Camshaft Bearing FP-6136-21-1410 QTY GASKET SETS PART NO. SIZE DESCRIPTION							
	4	Camshaft Bearing	-	SIZE	DESCRIPTION		
1 Conversion Gasket Set FP-6137-K2-9901		GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION		



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				6.5L 396 OHV L6, 4.1338" Bore 9(cor
	ENGINE BLOCK & PARTS (cont.)			
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
	COD	105: Build Carian 177:	Eng Cor	6.5L 396 OHV L6, 4.1338" Bore Grader
		105, Build Series 122,	Erig. Ser	r. No. 91468-Up; Model GD525A-1C; Model Ser. No. 60001-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6220	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1102	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION
1 7 7 7 7 7 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6136-21-8000 FP-6136-29-8010 FP-6136-29-8010 FP-6136-27-8010 FP-6136-26-8010 FP-6134-21-8050 FP-6134-29-8050 FP-6134-28-8050 FP-6136-27-8050	STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM	DESCRIPTION
1 QTY 1	Thrust Washer OIL PUMP Oil Pump	PART NO. FP-6136-52-1100	1.00MM SIZE	DESCRIPTION
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6136-11-1813 FP-6137-K1-9901 FP-6136-11-8814	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6136-42-4211 FP-6138-42-4110	SIZE STD STD	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1430	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6136-12-1320 FP-6138-12-1310	SIZE	DESCRIPTION Exh. Int.



_	91 6.5L 396 OHV L6, 4.1338" Bore						
	CYL. HEAD & PARTS (cont.)						
	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6136-42-4410 FP-6136-41-4530	SIZE	DESCRIPTION Lower			
12	Valve Spring Seat	FP-6136-42-4510		Upper			
	CYLINDER COMPONENTS						
6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040 FP-6138-39-3050 FP-6138-38-3050 FP-6138-37-3050	SIZE STD .25MM .50MM .75MM	DESCRIPTION			
6 QTY 6 6 6 6 6	Connecting Rod Bearing Pair LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring O-Ring Sealing Ring, Liner	PP-6138-36-3050 PART NO. FP-LK322130 FP-6137-22-2210 FP-6136-21-2230 FP-6136-21-2240 FP-6136-21-2220	SIZE	DESCRIPTION			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6137-31-2040	SIZE	DESCRIPTION			
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6137-32-2130 FP-6137-32-2030 FP-6137-31-2410 FP-6136-32-3130 FP-04065-04018	SIZE	DESCRIPTION			
	ENGINE BLOCK & PARTS						
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION			
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION			
	FUEL SYSTEM & PARTS						
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION			
92	2 6.5L 396 OHV L6, 4.1338 Grader S6D105; Build Series 1; Eng. Ser. No. 72 S6D105; Build Series 1NN; Eng. Ser. No	2681-Up; Model GD655A					
	CAMSHAFT GROUP						
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6136-42-2111	SIZE	DESCRIPTION			
	COOLING SYSTEM						
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6136-11-6810 FP-600-421-6310	SIZE	DESCRIPTION			
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6138-61-1401	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP						
1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION			
QTY 1 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-21-8000 FP-6136-21-8010	SIZE STD				
		(continuo					



6.5L 396 OHV L6, 4.1338" Bore 92 (cont.)

				0.32 030 0114 20, 4.1000		(cont.)			
	CRANKSHAFT/OIL PUMP (cont.)								
QTY	MAIN BEARINGS (cont.)	PART NO.	SIZE	DESCRIPTION					
7	Main Bearing, Flanged	FP-6136-29-8010	.25MM	22001111 11011					
7	Main Bearing, Flanged	FP-6136-28-8010	.50MM						
7	Main Bearing, Flanged	FP-6136-27-8010	.75MM						
7	Main Bearing, Flanged	FP-6136-26-8010	1.00MM						
1	Thrust Washer	FP-6134-21-8050	STD						
1	Thrust Washer	FP-6134-29-8050	.25MM						
1	Thrust Washer	FP-6134-28-8050	.50MM						
1	Thrust Washer	FP-6136-27-8050	.75MM						
1	Thrust Washer	FP-6136-26-8050	1.00MM						
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION					
1	Oil Pump	FP-6136-52-1100	SIZL	DESCRIPTION					
	'		0.75	PEOCRIPTION					
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION					
1	Oil Seal	FP-6136-22-3510							
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION					
1	Oil Seal	FP-6130-21-4231							
	CYL. HEAD & PARTS								
OTV	GASKETS	PART NO.	SIZE	DESCRIPTION					
1	Head Gasket	FP-6136-11-1813	SIZE	DESCRIPTION					
	Head Gasket Set	FP-6137-K1-9901							
	Valve Cover Gasket	FP-6136-11-8814							
-									
	PUSH RODS	PART NO.	SIZE	DESCRIPTION					
12	Push Rod	FP-6136-42-3120							
QTY	VALVE	PART NO.	SIZE	DESCRIPTION					
24	Valve Keeper	FP-6136-42-4520		Int. & Exh.					
6	Valve, Exhaust	FP-6136-42-4211	STD						
6	Valve, Intake	FP-6138-42-4110	STD						
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION					
12	Valve Guide	FP-6136-19-1430	SIZE	DECOMIF HON					
	VALVE SEAT		CITE	DESCRIPTION					
	Valve Seat	PART NO.	SIZE						
6	Valve Seat Valve Seat	FP-6136-12-1320 FP-6138-12-1310		Exh. Int.					
				·					
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION					
12	Valve Spring	FP-6136-42-4410							
12	Valve Spring Seat	FP-6136-41-4530		Lower					
12	Valve Spring Seat	FP-6136-42-4510		Upper					
	CYLINDER COMPONENTS								
	CONNECTING RODS &								
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION					
6	Connecting Rod Bearing Pair	FP-6138-31-3040	STD	-					
6	Connecting Rod Bearing Pair	FP-6138-39-3050	.25MM						
6	Connecting Rod Bearing Pair	FP-6138-38-3050	.50MM						
6	Connecting Rod Bearing Pair	FP-6138-37-3050	.75MM						
6	Connecting Rod Bearing Pair	FP-6138-36-3050	1.00MM						
QTY	LINERS	PART NO.	SIZE	DESCRIPTION					
6	Cylinder Kit Complete	FP-LK322130	SIZE	DECOMIF HON					
6	Liner w/o Sealing Ring	FP-6137-22-2210							
6	O-Ring	FP-6136-21-2230							
6	O-Ring	FP-6136-21-2240							
6	Sealing Ring, Liner	FP-6136-21-2220							
QTY 6	PISTON RINGS Ring Set Single Cylinder	PART NO. FP-6137-31-2040	SIZE	DESCRIPTION					
	Ring Set, Single Cylinder								
	PISTONS	PART NO.	SIZE	DESCRIPTION					
6	Piston Body w/o Pin	FP-6137-32-2130							
6	Piston Kit w/Pin & Retainers	FP-6137-32-2030							
6	Piston Pin	FP-6137-31-2410							
6	Piston Pin Bushing	FP-6136-32-3130							
12	Piston Pin Retainer	FP-04065-04018							
	ENGINE BLOCK & PARTS								
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION					
	1 -								
4	Camshaft Bearing	FP-6136-21-1410							



_	92 6.5L 396 OHV L6, 4.1338" Bore						
	ENGINE BLOCK & PARTS (con	t.)					
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION			
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6136-21-5821	SIZE	DESCRIPTION			
	FUEL SYSTEM & PARTS						
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION			
3 2	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6135-11-5810 FP-6136-11-4850	OILL	DECOMM NOW			
93	93 6.5L 396 OHV L6, 4.1338" Bore Wheel Loader 6D105; Build Series 1BB; Eng. Ser. No. 62390-Up; Model WA200-1; Model Ser. No. 10001-Up 6D105; Build Series 1BB; Eng. Ser. No. 62390-Up; Model WA200-1A; Model Ser. No. 10001-Up 6D105; Build Series 1Z; Eng. Ser. No. 62390-Up; Model WA200-1; Model Ser. No. 10001-Up						
	CAMSHAFT GROUP						
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6136-42-2111	SIZE	DESCRIPTION			
	COOLING SYSTEM						
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION			
1	O-Ring Thermostat	FP-6136-11-6810 FP-600-421-6210	0.22				
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1601	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP						
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION			
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION			
1 7	Main Bearing and Thrust Washer Main Bearing, Flanged	FP-6136-21-8000 FP-6136-21-8010	STD				
7	Main Bearing, Flanged	FP-6136-29-8010	.25MM				
7	Main Bearing, Flanged	FP-6136-28-8010	.50MM				
7	Main Bearing, Flanged	FP-6136-27-8010	.75MM				
7	Main Bearing, Flanged	FP-6136-26-8010	1.00MM				
1	Thrust Washer	FP-6134-21-8050	STD .25MM				
1 1	Thrust Washer Thrust Washer	FP-6134-29-8050 FP-6134-28-8050	.∠SIVIIVI .50MM				
1	Thrust Washer	FP-6136-27-8050	.75MM				
1	Thrust Washer	FP-6136-26-8050	1.00MM				
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6136-52-1100	SIZE	DESCRIPTION			
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510	SIZE	DESCRIPTION			
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-22-4231	SIZE	DESCRIPTION			
	CYL. HEAD & PARTS						
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION			
1	Head Gasket	FP-6136-11-1813					
1	Head Gasket Set	FP-6136-K1-9901					
1 OTV	Valve Cover Gasket	FP-6136-11-8814	0:75	DECODIDETION			
12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120		DESCRIPTION			
	VALVE	PART NO.	SIZE				
24	Valve Keeper Valve, Exhaust	FP-6136-42-4520 FP-6136-42-4211	STD	Int. & Exh.			
6 6	Valve, Exnaust Valve, Intake	FP-6136-42-4211 FP-6136-42-4110	טוט				
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION			
12	Valve Guide	FP-6136-19-1430					



				6.5L 396 OHV L6, 4.1338" Bore 93
				0.3L 390 OHV LO, 4.1336 BOIL 93 (cont
	CYL. HEAD & PARTS (cont.)			
YTÇ	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
6	Valve Seat	FP-6136-12-1310		Int.
6	Valve Seat	FP-6136-12-1320		Exh.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12	Valve Spring	FP-6136-42-4410		
12	Valve Spring Seat	FP-6136-41-4530		Lower
12	Valve Spring Seat	FP-6136-42-4510		Upper
- 1	CYLINDER COMPONENTS			
	CONNECTING RODS &	DARTNO	CIZE	DECODIDATION
	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6138-31-3040	STD	
6	Connecting Rod Bearing Pair	FP-6138-39-3050	.25MM	
6	Connecting Rod Bearing Pair	FP-6138-38-3050	.50MM	
6	Connecting Rod Bearing Pair	FP-6138-37-3050	.75MM	
6	Connecting Rod Bearing Pair	FP-6138-36-3050	1.00MM	
YTÇ	LINERS	PART NO.	SIZE	DESCRIPTION
6	Cylinder Kit Complete	FP-LK322110		
6	Liner w/o Sealing Ring	FP-6137-22-2210		
6	O-Ring	FP-6136-21-2230		
6	O-Ring	FP-6136-21-2240		
6	Sealing Ring, Liner	FP-6136-21-2220		
-	PISTON RINGS Ding Set Single Cylinder	PART NO. FP-6136-31-2030	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder			
YT	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin	FP-6136-32-2110		
6	Piston Kit w/Pin & Retainers	FP-6136-32-2010		
6	Piston Pin	FP-6136-31-2410		
6	Piston Pin Bushing	FP-6136-32-3130		
12	Piston Pin Retainer	FP-04065-04018		
	ENGINE BLOCK & PARTS			
YTÇ	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
4	Camshaft Bearing	FP-6136-21-1410		
YT	GASKET SETS	PART NO.	SIZE	DESCRIPTION
1	Conversion Gasket Set	FP-6136-K2-9901		
YTC	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Oil Pan Gasket	FP-6136-21-5821		
	FUEL SYSTEM & PARTS			
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
6	Fuel Injector Sleeve	FP-6136-11-1130		
	INT & EXH MANIFOLDS			
TΥ	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
3	Exhaust Manifold Gasket	FP-6135-11-5810		
2	Intake Manifold Gasket	FP-6136-11-4850		
				6.5L 396 OHV L6, 4.1338" Bore 94
		S6D105; Build Series 1SS; S6D105; Build Series 1SS; S6D105; Build Series 1TT; S6D105; Build Series 1TT; S6D105; Build Series 1WW S6D105; Build Series 1WW S6D105; Build Series 1X; E	Eng. Ser Eng. Ser Eng. Ser Eng. Ser '; Eng. Se '; Eng. Se ing. Ser.	No. 86535-Up; Model WA320-1; Model Ser. No. 10001-Up r. No. 86535-Up; Model WA320-1; Model Ser. No. 10001-Up r. No. 86535-Up; Model WA320-1R; Model Ser. No. 10001-Up r. No. 86423-Up; Model WA250-1; Model Ser. No. 10001-Up r. No. 86423-Up; Model WA250-1; Model Ser. No. A10509-Up er. No. 63244-Up; Model WA300-1; Model Ser. No. 10001-Up er. No. 63244-Up; Model WA300-1A; Model Ser. No. 10001-Up No. 63244-Up; Model WA300-1A; Model Ser. No. 10001-Up No. 63244-Up; Model WA300-1A; Model Ser. No. 10001-Up
	CAMSHAFT GROUP			
	CAMSHAFT/LIFTER	PART NO.	SIZF	DESCRIPTION
12	Lifter	FP-6136-42-2111	J	
	COOLING SYSTEM			
ΤY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6136-11-6810		
		(continuo		



_	94 6.5L 396 OHV L6, 4.1338" Bore (cont.)				
	COOLING SYSTEM (cont.)				
QTY 1	THERMOSTAT (cont.) Thermostat	PART NO. FP-600-421-6210	SIZE	DESCRIPTION	
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6136-61-1501	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6136-31-1010	SIZE	DESCRIPTION	
QTY 1 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged	PART NO. FP-6136-21-8000 FP-6136-21-8010	SIZE STD	DESCRIPTION	
7 7	Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	FP-6136-29-8010 FP-6136-28-8010	.25MM .50MM		
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6136-27-8010	.75MM		
7	Main Bearing, Flanged	FP-6136-26-8010	1.00MM		
1	Thrust Washer Thrust Washer	FP-6134-21-8050 FP-6134-29-8050	STD .25MM		
1	Thrust Washer	FP-6134-28-8050	.50MM		
1	Thrust Washer	FP-6136-27-8050	.75MM		
1	Thrust Washer	FP-6136-26-8050	1.00MM	DECORIDEION	
1	OIL PUMP Oil Pump	PART NO. FP-6136-52-1100		DESCRIPTION	
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6136-22-3510		DESCRIPTION	
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6130-21-4231	SIZE	DESCRIPTION	
	CYL. HEAD & PARTS				
	GASKETS	PART NO.	SIZE	DESCRIPTION	
1	Head Gasket Head Gasket Set	FP-6136-11-1813 FP-6137-K1-9901			
1	Valve Cover Gasket	FP-6136-11-8814			
QTY 12	PUSH RODS Push Rod	PART NO. FP-6136-42-3120	SIZE	DESCRIPTION	
	VALVE	PART NO.	SIZE	DESCRIPTION	
24 6	Valve Experies	FP-6136-42-4520 FP-6136-42-4211	STD	Int. & Exh.	
6	Valve, Exhaust Valve, Intake	FP-6138-42-4110	STD		
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6136-19-1430	SIZE	DESCRIPTION	
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION	
6 6	Valve Seat Valve Seat	FP-6136-12-1320 FP-6138-12-1310		Exh. Int.	
12		<i>PART NO.</i> FP-6136-42-4410	SIZE	DESCRIPTION	
12 12	Valve Spring Seat Valve Spring Seat	FP-6136-41-4530 FP-6136-42-4510		Lower Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS &	DARTNO	0:75	DECORIDATION	
Q1Y	BRGS. Connecting Rod Bearing Pair	PART NO. FP-6138-31-3040	SIZE STD	DESCRIPTION	
6	Connecting Rod Bearing Pair	FP-6138-39-3050	.25MM		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-38-3050 FP-6138-37-3050	.50MM .75MM		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6138-36-3050	.75MM 1.00MM		
QTY	LINERS	PART NO.	SIZE	DESCRIPTION	
6	Cylinder Kit Complete	FP-LK322130			
6	Liner w/o Sealing Ring O-Ring	FP-6137-22-2210 FP-6136-21-2230			
6	O-Ring	FP-6136-21-2240			
6	Sealing Ring, Liner	FP-6136-21-2220			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6137-31-2040	SIZE	DESCRIPTION	



				6.5L 396 OHV L6, 4.1338" Bore 94
	CYLINDER COMPONENTS	cont.)		
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6137-32-2130 FP-6137-32-2030 FP-6137-31-2410 FP-6136-32-3130 FP-04065-04018	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 4	CAM BEARINGS Camshaft Bearing	PART NO. FP-6136-21-1410	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6137-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6136-21-5821	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 3 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6135-11-5810 FP-6136-11-4850	SIZE	DESCRIPTION
				8.3L 505 OHV L6, 4.49" Bore 95
	CAMSHAFT GROUP	S6D114E; Build Series 1; S6D114E; Build Series 1;	Eng. Ser. Eng. Ser.	No. 30456012-Up; Model D61E-12; Model Ser. No. 1001-Up No. 30456012-Up; Model D61EX-12; Model Ser. No. 1001-Up No. 30456012-Up; Model D61P-12; Model Ser. No. 1001-Up No. 30456012-Up; Model D61PX-12; Model Ser. No. 1001-Up
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
2 1	Thermostat Thermostat Gasket	FP-6742-01-1900 FP-6742-01-0830		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6742-01-5040 FP-6742-01-5578	SIZE	DESCRIPTION Hardened pulley Long nose
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION
QTY 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6742-01-5201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	<i>PART NO.</i> FP-6742-02-1110	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
<u> </u>	CYL. HEAD & PARTS	11 3130 33 11 10		,
QTY 1 1	GASKETS Head Gasket Head Gasket Set	PART NO. FP-6742-01-5582 FP-6742-01-4280	SIZE	DESCRIPTION
	l		ed on nex	1



	95 8.3L 505 OHV L6, 4.49" Bore (cont.)					
	CYL. HEAD & PARTS (cont.)					
QTY 1	GASKETS (cont.) Valve Cover Gasket	PART NO. FP-6742-01-0710	SIZE	DESCRIPTION		
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION		
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.		
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION		
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.		
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper		
	CYLINDER COMPONENTS			Срроі		
12 12 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION		
6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-1307230H91 FP-6742-01-1500 FP-6742-01-1520	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-1241748H92	SIZE	DESCRIPTION		
6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160		DESCRIPTION		
1		PART NO. FP-6742-01-5140		DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
QTY 6	FUEL INJECTION Fuel Injector - New	PART NO. FP-6742-01-5203	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION		
90	8.3L 505 OHV L6, 4.49" Excavator SA6D114; Build Series 1; Model PC300L		30001-Up			
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION		



				8.3L	505 OHV L6, 4.49" Bo	re 96
	COOLING SYSTEM (cont.)					
	WATER PUMP	PART NO.	SIZE			
1	Water Pump - Heavy Duty	FP-6742-01-5040		Hardened pulley		
OTV	CRANKSHAFT/OIL PUMP	DARTNO	CIZE	DECODIDITION		
1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6742-01-1570	SIZE	DESCRIPTION		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION		
1	Main Bearing Set Main Bearing Set	FP-6742-01-5199 FP-6742-01-5233	STD .25MM			
1	Main Bearing Set	FP-6742-01-5240	.50MM			
1	Main Bearing Set	FP-6742-01-5287	.75MM			
1	Main Bearing Set	FP-6742-01-5288	1.00MM	0/0		
1	Thrust Washer Thrust Washer	FP-6742-01-5272 FP-6742-01-5442	.25MM .50MM	O/S O/S		
	OIL PUMP					
1	Oil Pump	<i>PART NO.</i> FP-6742-01-5201	SIZE	DESCRIPTION		
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6742-02-1110				
	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION		
1	Oil Seal	FP-6736-39-1130		Wet housing		
1	Oil Seal Kit	FP-6736-39-1140		Dry housing		
	CYL. HEAD & PARTS			·		
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION		
1	Head Gasket	FP-6742-01-5582	0	2200		
1	Head Gasket Set	FP-6742-01-4280				
1	Valve Cover Gasket	FP-6742-01-0710				
QTY 12	PUSH RODS Push Rod	<i>PART NO.</i> FP-6742-01-1250	SIZE	DESCRIPTION		
QTY	VALVE	PART NO.	SIZE	DESCRIPTION		
24	Valve Keeper	FP-6742-01-2990		Int. & Exh.		
6	Valve Kit, Exhaust	FP-6742-01-3000				
6	Valve, Intake	FP-6742-01-0150				
QTY 12	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6742-01-3240	SIZE	DESCRIPTION		
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
6	Valve Seat	FP-1241223H2		Int.		
6	Valve Seat	FP-1307586H1		Exh.		
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12	Valve Spring	FP-6742-01-3020		Llaner		
12		FP-6742-01-3030		Upper		
	CYLINDER COMPONENTS					
QTY	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION		
12	Rod Bearing Half Upper/Lower	FP-6742-01-2750	STD			
12	Rod Bearing Half Upper/Lower	FP-6742-01-2810	.25MM			
12	Rod Bearing Half Upper/Lower	FP-6742-01-2820	.50MM			
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6742-01-2830 FP-6742-01-2840	.75MM 1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Cylinder Kit Complete	FP-LK6742	J	5-03.m /1011		
6	Liner w/o Sealing Ring	FP-1241175H92				
6	Sealing Ring, Liner	FP-6742-01-1520				
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-1241180H1	SIZE	DESCRIPTION		
	PISTONS	PART NO.	SIZE	DESCRIPTION		
6	Piston Kit w/Pin & Retainers	FP-1295693H91				
6	Piston Pin	FP-6742-01-5474				
6 12	Piston Pin Bushing Piston Pin Retainer	FP-6742-01-2740 FP-6742-01-5309				
- 12	1 local i il i i i i i i i i i i i i i i i i	(continue		. \		



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9((cor	6 8.3L 505 OHV L6, 4.49"	Bore				
	ENGINE BLOCK & PARTS					
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6742-01-5140	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6742-01-5308	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION		
	8.3L 505 OHV L6, 4.49" Bore Excavator SA6D114E; Build Series 1; Model PC300HD-6LC; From Model Ser. No. A80001 to A83000 SA6D114E; Build Series 1; Model PC300HD-6LE; From Model Ser. No. A83001 to A84000 SA6D114E; Build Series 1; Model PC300LC-6; From Model Ser. No. A80001 to A84000 SA6D114E; Build Series 1; Model PC300LL-6; Model Ser. No. A84001-Up SA6D114E; Build Series 1A-KU; Eng. Ser. No. 21212392-Up; Model PC380LC-6K; Model Ser. No. K30001-Up SA6D114E; Build Series 1A; Eng. Ser. No. 21212392-Up; Model PC340-6K; Model Ser. No. K30001-Up SA6D114E; Build Series 1A; Eng. Ser. No. 21212392-Up; Model PC340LC-6K; Model Ser. No. K30001-Up SA6D114E; Build Series 1A; Eng. Ser. No. 21212392-Up; Model PC340LC-6K; Model Ser. No. K30001-Up					
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6742-01-5040 FP-6742-01-5578	SIZE	DESCRIPTION Hardened pulley Long nose		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION		
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION		
1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing		
	CYL. HEAD & PARTS					
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION		
12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION		
QTY 24 6	VALVE Valve Keeper Valve Kit, Exhaust	PART NO. FP-6742-01-2990 FP-6742-01-3000		DESCRIPTION Int. & Exh.		
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				8.3L 505 OHV L6, 4.49" Bore 97 (cont.)
	CYL. HEAD & PARTS (cont.)			· ·
QTY 6	VALVE (cont.) Valve, Intake	PART NO. FP-6742-01-0150	SIZE	DESCRIPTION
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-1307230H91 FP-6742-01-1500 FP-6742-01-1520	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-1241748H92	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION
				8.3L 505 OHV L6, 4.49" Bore 98
				Series 1-GD; Model PC300HD-6LE; Model Ser. No. A84001-Up Series 1-GD; Model PC300LC-6LE; Model Ser. No. A84001-Up
	CAMSHAFT GROUP	B. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	<u></u>	DESCRIPTION
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6742-01-5578	SIZE	DESCRIPTION Long nose
	CRANKSHAFT/OIL PUMP			
1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6742-01-1570		DESCRIPTION
QTY 1 1	MAIN BEARINGS Main Bearing Set Main Bearing Set	PART NO. FP-6742-01-5199 FP-6742-01-5233	SIZE STD .25MM	DESCRIPTION



_	98 8.3L 505 OHV L6, 4.49" Bore				
	CRANKSHAFT/OIL PUMP (cont.)				
QTY 1 1 1 1	MAIN BEARINGS (cont.) Main Bearing Set Main Bearing Set Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	.50MM .75MM 1.00MM .25MM	O/S O/S	
	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	DESCRIPTION	
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION	
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing	
	CYL. HEAD & PARTS				
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION	
24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.	
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION	
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-LK5159 FP-6742-01-5159 FP-6742-01-1520	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-1241748H92	SIZE	DESCRIPTION	
6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160		DESCRIPTION	
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140		DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION	



12 Valve Spring

Komatsu Off Highway

8.3L 505 OHV L6, 4.49" Bore 98

					(cont.)
	INT & EXH MANIFOLDS				
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION	

8.3L 505 OHV L6, 4.49" Bore 99

SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC300-7-W1; Model Ser. No. 40001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC300HD-7; Model Ser. No. 40001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC300HD-7L; Model Ser. No. A85001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC300LC-7-W1; Model Ser. No. 40001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC300LC-7; Model Ser. No. 40001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC300LC-7L; Model Ser. No. A85001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC340LC-7K; Model Ser. No. K40001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC350-7-W1; Model Ser. No. 20001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC350LC-7-W1; Model Ser. No. 20001-Up SAA6D114E; Build Series 2A-A; Eng. Ser. No. 26800003-Up; Model PC350LC-7-W1; Model Ser. No. 20001-Up

	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6741-61-1610 FP-6742-01-0830	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6741-61-1530	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM	O/S O/S
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6741-51-1110	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION

(continued on next page)

FP-6742-01-3020



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99 (cor	-	Bore			
È	CYL. HEAD & PARTS (cont.)				
QTY	VALVE SPRING (cont.)	PART NO.	SIZE	DESCRIPTION	
12	Valve Spring Seat	FP-6742-01-3030		Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-LK6743 FP-6742-01-5159 FP-6742-01-1520	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-1241748H92	SIZE	DESCRIPTION	
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6743-31-2110 FP-6743-31-2101 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6743-11-3320 FP-6743-11-3120	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION	
8.3L 505 OHV L6, 4.49" Bore Grader S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650A-2; Model Ser. No. 202001-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650A; From Model Ser. No. 200840 to 201999 S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650A; Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650AW-1; From Model Ser. No. 200840 to 201999 S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650AW-2A; Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650AW-2B; Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD650AW-2C; Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD670A; Model Ser. No. 200840-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD670AW-1; From Model Ser. No. 200840 to 201999 S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD670AW-1; From Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD670AW-2B; Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD670AW-2B; Model Ser. No. 202002-Up S6D114; Build Series 1; Eng. Ser. No. Up to 44706125; Model GD670AW-2C; Model Ser. No. 202002-Up					
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM				
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830		DESCRIPTION	
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6742-01-5040	SIZE	DESCRIPTION Hardened pulley	



8.3L 505 OHV L6, 4.49" Bore 100

				6.3L 303 OHV LO, 4.49 Bole 100 (cont.)
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION
2TY 1 1 1 1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
1 1	Thrust Washer Thrust Washer	FP-6742-01-5272 FP-6742-01-5442	.25MM .50MM	O/S O/S
ΣΤΥ 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6742-01-5201	SIZE	DESCRIPTION
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
2 TY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION
2TY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION
24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.
2TY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION
6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.
12 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring Sealing Ring, Liner	PART NO. FP-1295692H91 FP-1241175H92 FP-6742-01-1520	SIZE	DESCRIPTION
ΥΤΩ	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241180H1	SIZE	DESCRIPTION
6 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1295691H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION



	matsu On High	way		· /DieSel
10 (cor	0 8.3L 505 OHV L6, 4.4	49" Bore		
	ENGINE BLOCK & PARTS	(cont.)		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION
10	8.3L 505 OHV L6, 4.4 Grader S6D114E; Build Series 1; Eng. Ser S6D114E; Build Series 1; Eng. Ser S6D114E; Build Series 1; Eng. Ser	r. No. 44706126-Up; Model GE r. No. 44706126-Up; Model GE	0670AW-	·2B; Model Ser. No. 210098-Up
	S6D114E; Build Series 1; Model G S6D114E; Build Series 1; Model G S6D114E; Build Series 1; Model G S6D114E; Build Series 1A; Eng. S S6D114E; Build Series 1A; Eng. S	D650AW-2B; Model Ser. No. 2 D650AW-2EY; Model Ser. No. er. No. 30456012-Up; Model G er. No. 30456012-Up; Model G er. No. 30456012-Up; Model G er. No. 30456012-Up; Model G er. No. 30456012-Up; Model G	210098-L 210098 3D650A; 3D650AV 3D650AV 3D670A; 3D670AV	-Up Model Ser. No. 202002-Up V-2B; Model Ser. No. 202002-Up V-2C; Model Ser. No. 202002-Up Model Ser. No. 202002-Up V-2B; Model Ser. No. 202002-Up
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	<i>PART NO.</i> FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	<i>PART NO.</i> FP-6742-01-5040 FP-6742-01-5578	SIZE	DESCRIPTION Hardened pulley Long nose
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION
1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM .50MM	
_	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION
12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION
QTY 24 6	VALVE Valve Keeper Valve Kit, Exhaust	<i>PART NO.</i> FP-6742-01-2990 FP-6742-01-3000	SIZE	DESCRIPTION Int. & Exh.
		(continue	J	* ~ ~ ~ \



				8.31	_ 505 OHV L6, 4.49" E	Bore	101 (cont.)
	CYL. HEAD & PARTS	(cont.)					
QTY 6	VALVE (cont.) Valve, Intake	PART NO. FP-6742-01-0150		DESCRIPTION			
QTY 12	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6742-01-3240		DESCRIPTION			
6	VALVE SEAT Valve Seat	<i>PART NO.</i> FP-1241223H2	SIZE	Int.			
6 OT Y	Valve Seat	FP-1307586H1	0175	Exh.			
12 12	VALVE SPRING Valve Spring Valve Spring Seat	<i>PART NO.</i> FP-6742-01-3020 FP-6742-01-3030		DESCRIPTION Upper			
	CYLINDER COMPON			орро.			
	CONNECTING RODS &	EIIIO					
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION			
12	Rod Bearing Half Upper/Lo						ļ
12	Rod Bearing Half Upper/Lo						
12 12	Rod Bearing Half Upper/Lo Rod Bearing Half Upper/Lo						
12	Rod Bearing Half Upper/Lo						
	LINERS	PART NO.		DESCRIPTION			
6	Cylinder Kit Complete	FP-1307230H91	SIZE	DESCRIPTION			
6	Liner w/Sealing Rings	FP-6742-01-1500)				
6	Sealing Ring, Liner	FP-6742-01-1520					
QTY 6	PISTON RINGS Ring Set, Single Cylinder	<i>PART NO.</i> FP-1241748H92	SIZE	DESCRIPTION			
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION			
6	Piston Kit w/Pin & Retainer						
6	Piston Pin	FP-6742-01-5474	ļ				
6	Piston Pin Bushing	FP-6742-01-2740					
12	Piston Pin Retainer	FP-6742-01-5309)				
	ENGINE BLOCK & PA	ARTS					
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION			
7	Camshaft Bearing	FP-6742-01-5160)				
OTY	GASKET SETS	PART NO.	SIZE	DESCRIPTION			
1	Conversion Gasket Set	FP-6742-01-5140					
OTY	GASKETS	PART NO.	SIZE	DESCRIPTION			
1	Oil Pan Gasket	FP-6742-01-5308	_	DECOMM HON			
	INT & EXH MANIFOL	DS					
OTV	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION			
6	Exhaust Manifold Gasket	FP-6742-01-4010		DESCRIPTION			
2	Intake Manifold Gasket	FP-6741-11-4510					
				8.31	_ 505 OHV L6, 4.49" E	Bore Grader	102
		SA6D114E; Build Series 1-GD; Eng	ser No '	30456012-Hp: Mode			
		SA6D114E; Build Series 1-GD; Eng					
					l GD655-3C-VH; Model Ser. No. 50		
		SA6D114E; Build Series 1-GD; Eng					
		SA6D114E; Build Series 1-GD; Eng					
	CAMEDAET CROUP	CSS TTTE, Dulla College T GD, Elle	,. COI. 140	.555255 i op, wode	. 5.257.5 55, 1110401 561. 140. 00001	٦٢	
	CAMSHAFT GROUP						
QTY 12	CAMSHAFT/LIFTER Lifter	<i>PART NO.</i> FP-6732-41-2112		DESCRIPTION			
	COOLING SYSTEM						
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION			
2	Thermostat	FP-6742-01-1900		···•·			
1	Thermostat Gasket	FP-6742-01-0830					
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION			
1	Water Pump - Heavy Duty	FP-6742-01-5577					
	. , , , , ,		ued on nex	4			



	102 8.3L 505 OHV L6, 4.49" Bore						
	CRANKSHAFT/OIL PUMP						
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION			
QTY 1 1 1 1 1 1 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM				
	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	DESCRIPTION			
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION			
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing			
	CYL. HEAD & PARTS						
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION			
12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE				
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.			
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION			
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	<i>PART NO.</i> FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.			
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper			
	CYLINDER COMPONENTS			- '			
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION			
	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-LK5159 FP-6742-01-5159 FP-6742-01-1520	SIZE	DESCRIPTION			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241748H92	SIZE	DESCRIPTION			
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION			
	ENGINE BLOCK & PARTS						
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION			



				8.3L 505 OHV L6, 4.49" Bore 102
	ENGINE BLOCK & PARTS	(cont.)		(53.1)
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector - New	<i>PART NO.</i> FP-6742-01-5541	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
6 2	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6742-01-4010 FP-6741-11-4510		
		S6D114; Build Series 1; Eng.	Ser. No.	8.3L 505 OHV L6, 4.49" Bore Wheel Loader 44706126-Up; Model WA320-1LC; Model Ser. No. A25001-Up 44706126-Up; Model WA380-1LC; Model Ser. No. A45001-Up 44706126-Up; Model WA420-1LC; Model Ser. No. A25001-Up
	CAMSHAFT GROUP	, , ,		
QTY	CAMSHAFT/LIFTER	PART NO.	SIZE	DESCRIPTION
12	Lifter	FP-6732-41-2112		
OT)/	COOLING SYSTEM	DADTAG	0175	PEOCRIPTION
2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION
	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6742-01-5040		Hardened pulley
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6742-01-1570	SIZE	DESCRIPTION
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1 1	Main Bearing Set Main Bearing Set	FP-6742-01-5199 FP-6742-01-5233	STD .25MM	
1	Main Bearing Set	FP-6742-01-5240	.50MM	
1	Main Bearing Set	FP-6742-01-5287	.75MM	
1	Main Bearing Set	FP-6742-01-5288	1.00MM	0.40
1 1	Thrust Washer Thrust Washer	FP-6742-01-5272 FP-6742-01-5442	.25MM	
-			.50MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6742-01-5201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1 1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing
1	Oil Seal Kit	FP-6736-39-1140		Dry housing
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
1	Head Gasket	FP-6742-01-5582		
1 1	Head Gasket Set Valve Cover Gasket	FP-6742-01-4280 FP-6742-01-0710		
	PUSH RODS	PART NO.	SIZE	DESCRIPTION
12	Push Rod	FP-6742-01-1250	SIZE	DESCRIPTION
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
24	Valve Keeper	FP-6742-01-2990		Int. & Exh.
6 6	Valve Kit, Exhaust Valve, Intake	FP-6742-01-3000 FP-6742-01-0150		
	•		CIZE	DESCRIPTION
	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6742-01-3240	SIZE	DESCRIPTION
12				
	VALVE SEAT Valve Seat	<i>PART NO.</i> FP-1241223H2	SIZE	DESCRIPTION Int.



	103 8.3L 505 OHV L6, 4.49" Bore (cont.)					
	CYL. HEAD & PARTS (cont.)					
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12 12	Valve Spring Valve Spring Seat	FP-6742-01-3020 FP-6742-01-3030		Upper		
12		FF-0742-01-3030		Upper		
	CYLINDER COMPONENTS					
QTY	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION		
12	Rod Bearing Half Upper/Lower	FP-6742-01-2750	STD			
12 12	Rod Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	FP-6742-01-2810 FP-6742-01-2820	.25MM .50MM			
12	Rod Bearing Half Upper/Lower	FP-6742-01-2830	.75MM			
12	Rod Bearing Half Upper/Lower	FP-6742-01-2840	1.00MM			
	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Cylinder Kit Complete Liner w/Sealing Rings	FP-1295706H91 FP-6742-01-1500				
6	Sealing Ring, Liner	FP-6742-01-1520				
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241180H1	SIZE	DESCRIPTION		
	PISTONS	PART NO.	SIZE	DESCRIPTION		
6 6	Piston Kit w/Pin & Retainers Piston Pin	FP-1295691H91 FP-6742-01-5474				
6	Piston Pin Bushing	FP-6742-01-2740				
12	Piston Pin Retainer	FP-6742-01-5309				
	ENGINE BLOCK & PARTS					
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION		
6 2	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6742-01-4010 FP-6741-11-4510				
10	4 8.3L 505 OHV L6, 4.49" I Wheel Loader S6D114E; Build Series 1; Model WA320-3)001-Up			
	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM					
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION		
2	Thermostat Thermostat Gasket	FP-6742-01-1900 FP-6742-01-0830				
	WATER PUMP	PART NO.	SIZE	DESCRIPTION		
1	Water Pump - Heavy Duty	FP-6742-01-5040	J	Hardened pulley		
1	Water Pump - Heavy Duty	FP-6742-01-5578		Long nose		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6742-01-1570	SIZE	DESCRIPTION		
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION		
1	Main Bearing Set	FP-6742-01-5199	STD			
1	Main Bearing Set Main Bearing Set	FP-6742-01-5233 FP-6742-01-5240	.25MM .50MM			
1	Main Bearing Set	FP-6742-01-5287	.75MM			
1	Main Bearing Set	FP-6742-01-5288	1.00MM			
1 1	Thrust Washer Thrust Washer	FP-6742-01-5272 FP-6742-01-5442	.25MM .50MM			
	OIL PUMP	PART NO.		DESCRIPTION		
1	Oil Pump	FP-6742-01-5201				



				8.3L	505 OHV L6, 4	.49"	Bore	104 (cont.)
	CRANKSHAFT/OIL PUMP (cont.)							
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION				
QTY 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing				
•	CYL. HEAD & PARTS	11-0700-03-1140		Dry flousing				
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION				
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION				
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.				
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION				
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.				
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper				
	CYLINDER COMPONENTS							
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION				
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-1307230H91 FP-6742-01-1500 FP-6742-01-1520	SIZE	DESCRIPTION				
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241748H92	SIZE	DESCRIPTION				
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION				
	ENGINE BLOCK & PARTS							
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION				
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION				
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION				
	INT & EXH MANIFOLDS							
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION				



40	VE 0.01 505 010/10 4 400	<u> </u>			
10	95 8.3L 505 OHV L6, 4.49"	Bore			
	Wheel Loader SA6D114; Build Series 1; Model WA420	-11 C: Model Ser No. A	25001-l In	In .	
	, ,	TEO, WIOGEI GEI: 140: 71	2000 i Op	<u> </u>	
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM	0.02 22			
		DARTNO	CIZE	PECOPIPTION	
2	THERMOSTAT Thermostat	PART NO. FP-6742-01-1900	SIZE	DESCRIPTION	
1	Thermostat Gasket	FP-6742-01-0830			
	WATER PUMP	PART NO.	SIZE	DESCRIPTION	
1	Water Pump - Heavy Duty	FP-6742-01-5040		Hardened pulley	
	CRANKSHAFT/OIL PUMP				
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6742-01-1570	SIZE	DESCRIPTION	
QTY	MAIN BEARINGS	PART NO.		DESCRIPTION	
1	Main Bearing Set Main Bearing Set	FP-6742-01-5199 FP-6742-01-5233	STD .25MM		
i	Main Bearing Set	FP-6742-01-5240	.50MM		
1	Main Bearing Set	FP-6742-01-5287	.75MM	1	
1	Main Bearing Set	FP-6742-01-5288	1.00MM		
1	Thrust Washer Thrust Washer	FP-6742-01-5272	.25MM .50MM		
1 OTV	OIL PUMP	FP-6742-01-5442 PART NO.	SIZE		
1	Oil Pump	FP-6742-01-5201	SIZE	DESCRIPTION	
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION	
		PART NO.	SIZE	DESCRIPTION	
1 1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wat housing	
	Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing	
	CYL. HEAD & PARTS			, 3	
	GASKETS	PART NO.	SIZE	DESCRIPTION	
1	Head Gasket	FP-6742-01-5582	0		
1	Head Gasket Set	FP-6742-01-4280			
1	Valve Cover Gasket	FP-6742-01-0710			
QTY 12	PUSH RODS Push Rod	<i>PART NO.</i> FP-6742-01-1250	SIZE	DESCRIPTION	
	VALVE	PART NO.	SIZE	DESCRIPTION	
24	Valve Keeper	FP-6742-01-2990		Int. & Exh.	
6	Valve Kit, Exhaust Valve, Intake	FP-6742-01-3000 FP-6742-01-0150			
	VALVE GUIDE	PART NO.	CIZE	DESCRIPTION	
12	Valve Guide	FP-6742-01-3240			
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION	
6	Valve Seat Valve Seat	FP-1241223H2 FP-1307586H1		Int. Exh.	
	VALVE SPRING	PART NO.	SIZE		
12	Valve Spring	FP-6742-01-3020	JIZL	. Description	
12	Valve Spring Seat	FP-6742-01-3030		Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS &			PECONITION .	
QTY 12	BRGS. Rod Bearing Half Upper/Lower	<i>PART NO.</i> FP-6742-01-2750	SIZE STD		
12	Rod Bearing Half Upper/Lower	FP-6742-01-2750 FP-6742-01-2810	.25MM		
12	Rod Bearing Half Upper/Lower	FP-6742-01-2820	.50MM		
12	Rod Bearing Half Upper/Lower	FP-6742-01-2830	.75MM	1	
12	Rod Bearing Half Upper/Lower	FP-6742-01-2840	1.00MM		
				DESCRIPTION	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION	
QTY 6	LINERS Cylinder Kit Complete	FP-LK6742	SIZE	DESCRIPTION	
QTY 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	FP-LK6742 FP-1241175H92	SIZE	DESCRIPTION	
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring Sealing Ring, Liner	FP-LK6742 FP-1241175H92 FP-6742-01-1520			
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring	FP-LK6742 FP-1241175H92	SIZE		



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				8.3L 505 OHV L6, 4.49" Bore 105 (cont.)
	CYLINDER COMPONENTS (co	nt.)		
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1295693H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6742-01-5140	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6742-01-5308	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION
	S46D11.	1· Ruild Series 1∆∆· Fna	Ser No	8.3L 505 OHV L6, 4.49" Bore 106 Wheel Loader 21271827-Up; Model WA420-3CS; Model Ser. No. R50001-Up
	CAMSHAFT GROUP	+, Dulid Geries TAA, Erig.	061.110.	2127 1027-0p, Model WA-20-000, Model del. No. 1100001-0p
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-5006 FP-6742-01-0830	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6742-01-5040	SIZE	DESCRIPTION Hardened pulley
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6742-01-1570	SIZE	DESCRIPTION
QTY	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM .50MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.

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10	106 8.3L 505 OHV L6, 4.49" Bore							
	(cont.)							
	CYL. HEAD & PARTS (cont.)							
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION				
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.				
QTY 12	VALVE SPRING Valve Spring	PART NO. FP-6742-01-3020	SIZE	DESCRIPTION				
12	Valve Spring Seat CYLINDER COMPONENTS	FP-6742-01-3030		Upper				
	CONNECTING RODS &							
	ROB Bearing Half Upper/Lower Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION				
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-6742-01-5069 FP-6742-01-1500 FP-6742-01-1520	SIZE	DESCRIPTION				
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241748H92	SIZE	DESCRIPTION				
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6742-01-5067 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION				
	ENGINE BLOCK & PARTS							
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION				
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION				
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION				
	FUEL SYSTEM & PARTS							
QTY 6	FUEL INJECTION Fuel Injector - New	PART NO. FP-6742-01-3080	SIZE	DESCRIPTION				
	INT & EXH MANIFOLDS							
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION				
10	107 8.3L 505 OHV L6, 4.49" Bore Wheel Loader SA6D114E; Build Series 1; Model WA320-3 Avance Plus; Model Ser. No. A31001-Up SA6D114E; Build Series 1; Model WA380-3 Avance Plus; Model Ser. No. A51001-Up SA6D114E; Build Series 1; Model WA380-3L; Model Ser. No. A50001-Up							
	CAMSHAFT GROUP							
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION				
	COOLING SYSTEM							
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION				
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6742-01-5040 FP-6742-01-5578	SIZE	DESCRIPTION Hardened pulley Long nose				
ш	1 7 - 7	(continue		<u> </u>				



8.3L 505 OHV L6, 4.49" Bore **107**

				(cont.)
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM .50MM	O/S
	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-1307230H91 FP-6742-01-1500 FP-6742-01-1520	SIZE	DESCRIPTION
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241748H92	SIZE	DESCRIPTION
	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160		DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	



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10 (cor	7 8.3L 505 OHV L6, 4.49"	Bore			
	ENGINE BLOCK & PARTS (con	t.)			
	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION	
10	8.3L 505 OHV L6, 4.49" Wheel Loader SAA6D114; Eng. Ser. No. 21301477-U SAA6D114; Eng. Ser. No. 21301477-U	p; Model WA320-3H Activ			
	CAMSHAFT GROUP				
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION	
	COOLING SYSTEM				
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION	
2	Thermostat Thermostat Gasket	FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION	
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6742-01-5470	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP	11-07-42-01-0470			
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION	
1	Crankshaft	FP-6742-01-1570	0.22	22001 1.010	
I	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION	
1	Main Bearing Set Main Bearing Set	FP-6742-01-5199 FP-6742-01-5233	STD .25MM		
ĺi	Main Bearing Set	FP-6742-01-5240	.50MM		
1	Main Bearing Set	FP-6742-01-5287	.75MM		
1	Main Bearing Set	FP-6742-01-5288	1.00MM		
1	Thrust Washer Thrust Washer	FP-6742-01-5272 FP-6742-01-5442	.25MM .50MM		
QTY	OIL PUMP	PART NO.		DESCRIPTION	
1	Oil Pump	FP-6742-01-5201			
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION	
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION	
1	Oil Seal Oil Seal	FP-6735-K2-3001 FP-6736-39-1130		Wet housing	
1	Oil Seal Kit	FP-6736-39-1140		Dry housing	
	CYL. HEAD & PARTS				
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION	
1	Head Gasket	FP-6742-01-5582			
1	Head Gasket Set Valve Cover Gasket	FP-6742-01-4280			
1 OTV	PUSH RODS	FP-6742-01-0710 PART NO.	CIZE	DESCRIPTION	
12	Push Rod	FP-6742-01-1250	SIZE	DESCRIPTION	
QTY	VALVE	PART NO.	SIZE	DESCRIPTION	
24	Valve Keeper	FP-6742-01-2990		Int. & Exh.	
6	Valve Kit, Exhaust Valve, Intake	FP-6742-01-3000 FP-6742-01-0150			
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION	
12	Valve Guide	FP-6742-01-3240			
	VALVE SEAT	PART NO.	SIZE		
6	Valve Seat Valve Seat	FP-1241223H2 FP-1307586H1		Int. Exh.	
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION	
12	Valve Spring	FP-6742-01-3020			
12	Valve Spring Seat	FP-6742-01-3030		Upper	



8.3L 505 OHV L6, 4.49" Bore 108

				(cont.)
	CYLINDER COMPONENTS			
12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower LINERS Cylinder Kit Complete	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840 PART NO. FP-LK5159	SIZE STD .25MM .50MM .75MM 1.00MM	
6	Liner w/Sealing Rings Sealing Ring, Liner	FP-6742-01-5159 FP-6742-01-1520 PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-1241748H92	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION
				9 21 505 OHV I 6 4 40" Boro 100

8.3L 505 OHV L6, 4.49" Bore **109** Wheel Loader

SAA6D114E; Build Series 1; Eng. Ser. No. Up to 21301476; Model WA320-3H Active; Model Ser. No. 20561-Up SAA6D114E; Build Series 1; Eng. Ser. No. Up to 21301476; Model WA380-3H Active; Model Ser. No. 20501-Up SAA6D114E; Build Series 1; Model WA420-3 Avance Plus; Model Ser. No. A31001-Up SAA6D114E; Build Series 1; Model WA420-3H Active; Model Ser. No. 30297-Up

SAA6D114E; Build Series 1; Model WA420-3L; Model Ser. No. A30001-Up

	CAMSHAFT GROUP					
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION		
	COOLING SYSTEM					
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6742-01-1900 FP-6742-01-0830	SIZE	DESCRIPTION		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump - Heavy Duty	PART NO. FP-6742-01-5040 FP-6742-01-5578	SIZE	DESCRIPTION Hardened pulley Long nose		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION		
QTY 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing Set Thrust Washer Thrust Washer	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288 FP-6742-01-5272 FP-6742-01-5442	SIZE STD .25MM .50MM .75MM 1.00MM .25MM .50MM	O/S		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6742-01-5201	SIZE	DESCRIPTION		



	109 8.3L 505 OHV L6, 4.49" Bore				
(cor	CRANKSHAFT/OIL PUMP (cont.)				
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION	
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6735-K2-3001	SIZE	DESCRIPTION	
1	Oil Seal Oil Seal Kit	FP-6736-39-1130 FP-6736-39-1140		Wet housing Dry housing	
	CYL. HEAD & PARTS				
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION	
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.	
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6742-01-3240	SIZE	DESCRIPTION	
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.	
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE <i>STD .25MM .50MM .75MM</i> 1.00MM	DESCRIPTION	
QTY 6 6 6	LINERS Cylinder Kit Complete Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-1307230H91 FP-6742-01-1500 FP-6742-01-1520	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241748H92	SIZE	DESCRIPTION	
QTY 6 6 6 12	PISTONS Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-1304902H91 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION	
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION	



8.3L 505 OHV L6, 4.49" Bore 110

Wheel Loader

SAA6D114E; Build Series 2; Eng. Ser. No. 26800003-Up; Model WA400-5L; Model Ser. No. A40001-Up SAA6D114E; Build Series 2B-A; Eng. Ser. No. 26800003-Up; Model WA380-5; Model Ser. No. 60001-Up SAA6D114E; Build Series 2B-A; Eng. Ser. No. 26800003-Up; Model WA380-5L; Model Ser. No. A52001-Up SAA6D114E; Build Series 2B-A; Eng. Ser. No. 26800003-Up; Model WA380-5W; Model Ser. No. 60001-Up SAA6D114E; Build Series 2B-A; Eng. Ser. No. 26800003-Up; Model WA400-5; Model Ser. No. 70001-Up

	SAA0D114E	L, Dullu Selles ZD-A, Ell	g. Ser. No	5. 20000003-0p, Model WA400-5, Model Ser. No. 70001-0p
	CAMSHAFT GROUP			
QTY 12	CAMSHAFT/LIFTER Lifter	PART NO. FP-6732-41-2112	SIZE	DESCRIPTION
	COOLING SYSTEM			
QTY 2 1	THERMOSTAT Thermostat Thermostat Gasket	PART NO. FP-6741-61-1610 FP-6742-01-0830	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6741-61-1530	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6742-01-1570	SIZE	DESCRIPTION
1 1 1 1	Main Bearing Set	PART NO. FP-6742-01-5199 FP-6742-01-5233 FP-6742-01-5240 FP-6742-01-5287 FP-6742-01-5288	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
1 1	Thrust Washer Thrust Washer	FP-6742-01-5272 FP-6742-01-5442	.25MM .50MM	O/S O/S
	OIL PUMP Oil Pump	PART NO. FP-6741-51-1110	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6742-02-1110	SIZE	DESCRIPTION
QTY 1 1 1	SEALS - REAR CRANK Oil Seal Oil Seal Oil Seal Kit	PART NO. FP-6735-K2-3001 FP-6736-39-1130 FP-6736-39-1140	SIZE	DESCRIPTION Wet housing Dry housing
	CYL. HEAD & PARTS			
QTY 1 1 1	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6742-01-5582 FP-6742-01-4280 FP-6742-01-0710	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6742-01-1250	SIZE	DESCRIPTION
QTY 24 6 6	VALVE Valve Keeper Valve Kit, Exhaust Valve, Intake	PART NO. FP-6742-01-2990 FP-6742-01-3000 FP-6742-01-0150	SIZE	DESCRIPTION Int. & Exh.
12	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6742-01-3240	SIZE	DESCRIPTION
QTY 6 6	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-1241223H2 FP-1307586H1	SIZE	DESCRIPTION Int. Exh.
QTY 12 12	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6742-01-3020 FP-6742-01-3030	SIZE	DESCRIPTION Upper
	CYLINDER COMPONENTS			
QTY 12 12 12 12 12	CONNECTING RODS & BRGS. Rod Bearing Half Upper/Lower	PART NO. FP-6742-01-2750 FP-6742-01-2810 FP-6742-01-2820 FP-6742-01-2830 FP-6742-01-2840	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
	LINERS Cylinder Kit Complete	PART NO. FP-LK6743	SIZE	DESCRIPTION



	110 8.3L 505 OHV L6, 4.49" Bore (cont.)						
	CYLINDER COMPONENTS (conf	i.)					
QTY 6 6	LINERS (cont.) Liner w/Sealing Rings Sealing Ring, Liner	PART NO. FP-6742-01-5159 FP-6742-01-1520	SIZE	DESCRIPTION			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-1241748H92	SIZE	DESCRIPTION			
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6743-31-2110 FP-6743-31-2101 FP-6742-01-5474 FP-6742-01-2740 FP-6742-01-5309	SIZE	DESCRIPTION			
	ENGINE BLOCK & PARTS						
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6742-01-5160	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6742-01-5140	SIZE	DESCRIPTION			
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6742-01-5308	SIZE	DESCRIPTION			
	FUEL SYSTEM & PARTS						
QTY 6 6	FUEL INJECTION Fuel Injector - New Fuel Injector Nozzle	PART NO. FP-6743-11-3310 FP-6743-11-3220	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 6 2	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6742-01-4010 FP-6741-11-4510	SIZE	DESCRIPTION			
6D125; Build Series 1A; Eng. Ser. No. 10001-Up; Model D50A-17; Model Ser. No. 60001-Up 6D125; Build Series 1A; Eng. Ser. No. 10001-Up; Model D50P-17; Model Ser. No. 60001-Up 6D125; Build Series 1A; Eng. Ser. No. 10001-Up; Model D50P-17; Model Ser. No. 60001-Up 6D125; Build Series 1AF; Eng. Ser. No. 24866-Up; Model D70LE; Model Ser. No. 60001 to 60941 6D125; Build Series 1AM; Eng. Ser. No. 47990-Up; Model D65E-12; From Model Ser. No. 60001-Up 6D125; Build Series 1C; Eng. Ser. No. 47990-Up; Model D70LE-12; Model Ser. No. 60001-Up 6D125; Build Series 1C; Eng. Ser. No. 10001-Up; Model D53A-17; Model Ser. No. 80001-Up 6D125; Build Series 1D; Eng. Ser. No. 10001-Up; Model D53A-17; Model Ser. No. 80001-Up 6D125; Build Series 1Dp; Eng. Ser. No. 21811-Up; Model D58E-1; Model Ser. No. 80888-Up 6D125; Build Series 1DD; Eng. Ser. No. 21811-Up; Model D58E-18; Model Ser. No. 80888-Up 6D125; Build Series 1EE; Eng. Ser. No. 21811-Up; Model D58P-1; Model Ser. No. 80888-Up 6D125; Build Series 1EE; Eng. Ser. No. 21811-Up; Model D58P-18; Model Ser. No. 80588-Up 6D125; Build Series 1E; Eng. Ser. No. 21811-Up; Model D60A-8; Model Ser. No. 80588-Up 6D125; Build Series 1F; Eng. Ser. No. 10001-Up; Model D60A-8; Model Ser. No. 45001-Up 6D125; Build Series 1F; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1F; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1J; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1J; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1J; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1J; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1J; Eng. Ser. No. 10001-Up; Model D608-8; Model Ser. No. 45001-Up 6D125; Build Series 1J; Eng. Ser. No. 21829-Up; Model D608-8; Model Ser. No. 45001-Up							
	COOLING SYSTEM						
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION			
	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6150-61-1105 FP-6150-K6-9901	SIZE	DESCRIPTION			
	CRANKSHAFT/OIL PUMP	17 0.00 100 0001					
	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION			
<u> </u>		(continue					



11.0L 674 OHV L6, 4.9213" Bore 111 (cont.)

					(cont.)
	CRANKSHAFT/OIL PUMP (cont.)			
_	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION	
1	Main Bearing and Thrust Washer	FP-6150-21-8000			
7	Main Bearing, Flanged	FP-6150-21-8010	STD		
7	Main Bearing, Flanged	FP-6150-29-8010	.25MM		
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-28-8010 FP-6150-27-8010	.50MM .75MM		
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM		
1	Thrust Washer	FP-6150-21-8050	STD		
1	Thrust Washer	FP-6150-29-8050	.25MM		
1	Thrust Washer	FP-6150-28-8050	.50MM		
1	Thrust Washer	FP-6150-27-8050	.75MM		
1	Thrust Washer	FP-6150-26-8050	1.00MM		
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6150-51-1004	SIZE	DESCRIPTION	
	<u> </u>				
	SEALS - FRONT CRANK Oil Seal	PART NO.	SIZE	DESCRIPTION	
1		FP-6150-21-3230			
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION	
1	Oil Seal	FP-6151-21-4161			
	CYL. HEAD & PARTS				
	GASKETS	PART NO.	SIZE	DESCRIPTION	
6	Head Gasket	FP-6150-17-1813			
1	Head Gasket Set	FP-6150-K1-9901			
6	Valve Cover Gasket	FP-6150-11-8810			
	PUSH RODS	PART NO.	SIZE	DESCRIPTION	
12	Push Rod	FP-6151-41-3111			
	VALVE	PART NO.	SIZE		
48	Valve Evbauet	FP-6136-42-4520		Int. & Exh.	
12 12	Valve, Exhaust Valve, Intake	FP-6150-41-4210 FP-6150-41-4111			
	·		0175	DECORIDEION	
QTY 12	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1341	SIZE	DESCRIPTION Int.	
12	Valve Guide Valve Guide	FP-6150-12-1351		Exh.	
	VALVE SEAL		SIZE		
QTY 12	Valve Stem Seal	<i>PART NO.</i> FP-6140-41-4540	SIZE	DESCRIPTION	
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION	
12	Valve Seat	FP-6150-11-1320	SIZE	Exh.	
12	Valve Seat	FP-6151-11-1330		Int.	
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION	
24	Valve Spring	FP-6150-41-4411			
24	Valve Spring Seat	FP-6150-41-4430		Lower	
24	Valve Spring Seat	FP-6150-41-4510		Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS &				
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION	
6	Connecting Rod Bearing Pair	FP-6150-31-3040	STD		
6	Connecting Rod Bearing Pair	FP-6150-39-3040	.25MM		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6150-38-3040	.50MM .75MM		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6150-37-3040 FP-6150-36-3040	.75WW 1.00MM		
QTY	LINERS	PART NO.	SIZE	DESCRIPTION	
6	Cylinder Kit Complete	FP-LK502112	SIZE	DESCRIPTION	
6	Liner w/o Sealing Ring	FP-6151-22-2220			
6	O-Ring	FP-6150-21-2230			
6	O-Ring	FP-6150-21-2240			
6	Sealing Ring, Liner	FP-6150-21-2250			
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION	
6	Ring Set, Single Cylinder	FP-6150-31-2033			
	PISTONS	PART NO.	SIZE	DESCRIPTION	
6	Piston Body w/o Pin	FP-6150-31-2112			
6	Piston Kit w/Pin & Retainers	FP-6150-31-2012			
6 6	Piston Pin Piston Pin Bushing	FP-6150-31-2410 FP-6150-31-3130			
12	Piston Pin Bushing Piston Pin Retainer	FP-04065-04818			
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11 (con	1 11.0L 674 OHV L6, 4.92	13" Bore			
	ENGINE BLOCK & PARTS				
	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION	
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6150-K2-9901	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6150-21-5812	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION	
11.0L 674 OHV L6, 4.9213" Bore Dozer 6D125E; Build Series 2A; Eng. Ser. No. 61779-Up; Model D65E-12; Model Ser. No. 60942-Up 6D125E; Build Series 2D; Eng. Ser. No. 61779-Up; Model D53A-17; Model Ser. No. 80001-Up 6D125E; Build Series 2D; Eng. Ser. No. 61779-Up; Model D53P-17; Model Ser. No. 80001-Up 6D125E; Build Series 2G; Eng. Ser. No. 61779-Up; Model D58E-1; Model Ser. No. 80888-Up 6D125E; Build Series 2G; Eng. Ser. No. 61779-Up; Model D58E-1B; Model Ser. No. 80888-Up 6D125E; Build Series 2H; Eng. Ser. No. 61779-Up; Model D58P-1; Model Ser. No. 80588-Up 6D125E; Build Series 2H; Eng. Ser. No. 61779-Up; Model D58P-1B; Model Ser. No. 80588-Up 6D125E; Build Series 2H; Eng. Ser. No. 61779-Up; Model D58P-1B; Model Ser. No. 80588-Up					
	COOLING SYSTEM	• :	·		
	THERMOSTAT O-Ring	PART NO. FP-6210-61-6441	SIZE	DESCRIPTION	
1	Thermostat	FP-600-421-6630			
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-62-1104 FP-6155-K6-9900	SIZE	DESCRIPTION	
	CRANKSHAFT/OIL PUMP				
	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION	
QTY 1 7 7 7 7 1 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	PART NO. FP-6150-21-8000 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-27-8050 FP-6150-27-8050 FP-6150-27-8050 FP-6150-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6150-51-1004	SIZE	DESCRIPTION	
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION	
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6151-21-4161	SIZE	DESCRIPTION	
	CYL. HEAD & PARTS				
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-12-1810 FP-6153-K1-9900 FP-6150-11-8810	SIZE	DESCRIPTION	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION	
QTY 48 12	VALVE Valve Keeper Valve, Exhaust	PART NO. FP-6136-42-4520 FP-6150-42-4210	SIZE	DESCRIPTION Int. & Exh.	



				11.0L 674 OHV L6, 4.9213" Bore 112
	CYL. HEAD & PARTS (cont.)			
QTY 12	VALVE (cont.) Valve, Intake	PART NO. FP-6150-42-4110	SIZE	DESCRIPTION
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION
QTY 12	VALVE SEAT Valve Seat	PART NO. FP-6150-11-1320	SIZE	DESCRIPTION Exh.
12	Valve Seat	FP-6151-11-1330		Int.
QTY 24 24	VALVE SPRING Valve Spring Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430	SIZE	DESCRIPTION Lower
24	Valve Spring Seat	FP-6150-41-4510		Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040 FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK502110 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6150-32-2110 FP-6150-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6153-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
				11.0L 674 OHV L6, 4.9213" Bore 113
		S6D125; Build Series	: 1E; Eng	. Ser. No. 23193-Up; Model D75S-5; Model Ser. No. 15001-Up
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION
	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-61-1121 FP-6151-K6-9902	SIZE	DESCRIPTION
L	'	*		



	113 11.0L 674 OHV L6, 4.9213" Bore (cont.)					
	CRANKSHAFT/OIL PUMP					
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION		
1 OTV	Crankshaft MAIN BEARINGS	FP-6151-35-1010	SIZE	DESCRIPTION		
1	Main Bearing and Thrust Washer	<i>PART NO.</i> FP-6150-21-8000	SIZE	DESCRIPTION		
7 7	Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010	STD .25MM			
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-28-8010	.50MM			
7 7	Main Bearing, Flanged	FP-6150-27-8010	.75MM 1.00MM			
1	Main Bearing, Flanged Thrust Washer	FP-6150-26-8010 FP-6150-21-8050	STD			
1	Thrust Washer Thrust Washer	FP-6150-29-8050 FP-6150-28-8050	.25MM .50MM			
1	Thrust Washer	FP-6150-27-8050	.75MM			
1	Thrust Washer	FP-6150-26-8050	1.00MM			
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005	SIZE	DESCRIPTION		
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION		
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6151-21-4161	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
	GASKETS	PART NO.	SIZE	DESCRIPTION		
6	Head Gasket Head Gasket Set	FP-6150-17-1813 FP-6151-K1-9901				
6	Valve Cover Gasket	FP-6150-11-8810				
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION		
	VALVE	PART NO.	SIZE	DESCRIPTION		
48 12	Valve Keeper Valve, Exhaust	FP-6136-42-4520 FP-6150-41-4210		Int. & Exh.		
12	Valve, Intake	FP-6150-41-4111				
QTY 12	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6150-12-1341	SIZE	DESCRIPTION Int.		
12	Valve Guide Valve Guide	FP-6150-12-1351		Exh.		
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4540	SIZE	DESCRIPTION		
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
12 12	Valve Seat Valve Seat	FP-6150-11-1320 FP-6151-11-1330		Exh. Int.		
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION		
12	Valve Spring	FP-6150-41-4411		Exh.		
12 24	Valve Spring Valve Spring Seat	FP-6150-41-4420 FP-6150-41-4430		Int. Lower		
24	Valve Spring Seat	FP-6150-41-4510		Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION		
6	Connecting Rod Bearing Pair	FP-6150-31-3040	STD			
6 6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6150-39-3040 FP-6150-38-3040	.25MM .50MM			
6	Connecting Rod Bearing Pair	FP-6150-37-3040	.75MM			
6 OTV	Connecting Rod Bearing Pair LINERS	FP-6150-36-3040 PART NO.	1.00MM SIZE	DESCRIPTION		
6	Cylinder Kit Complete	FP-LK512150	JIZE	DECOMM HON		
6 6	Liner w/o Sealing Ring O-Ring	FP-6151-22-2220 FP-6150-21-2230				
6	O-Ring	FP-6150-21-2240				
6 OTV	Sealing Ring, Liner	FP-6150-21-2250	0:==	DECODIDATION		
6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION		
QTY 6	PISTONS Piston Body w/o Pin	PART NO. FP-6151-31-2150	SIZE	DESCRIPTION		
6	Piston Kit w/Pin & Retainers	FP-6151-31-2060	ad on nov			



				11.0L 674 OHV L6, 4.9213" Bore 113 (cont.)
	CYLINDER COMPONENTS (cor	nt.)		,
	PISTONS (cont.) Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6151-31-2420 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6151-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
				11.0L 674 OHV L6, 4.9213" Bore 114
	S6D125; Bu S6D125; Bu	ild Series 1AG; Eng. Ser.	No. 5197	75-Up; Model D65EX-12; From Model Ser. No. 60001 to 60941 75-Up; Model D65P-12; From Model Ser. No. 60001 to 60883 75-Up; Model D65PX-12; From Model Ser. No. 60001 to 60883
	COOLING SYSTEM	DARTNO	CIZE	DECODIDETION
1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION
QTY 1 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6151-61-1121	SIZE	DESCRIPTION
	Water Pump Gasket Kit CRANKSHAFT/OIL PUMP	FP-6151-K6-9902		
	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6150-21-8000	SIZE	DESCRIPTION
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010	STD .25MM	
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM	
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-27-8010 FP-6150-26-8010	.75MM 1.00MM	
1	Thrust Washer	FP-6150-21-8050	STD	
1	Thrust Washer Thrust Washer	FP-6150-29-8050 FP-6150-28-8050	.25MM .50MM	
1	Thrust Washer	FP-6150-27-8050	.75MM	
1 QTY	Thrust Washer OIL PUMP	FP-6150-26-8050 PART NO.	1.00MM SIZE	DESCRIPTION
1 QTY	Oil Pump SEALS - FRONT CRANK	FP-6151-51-1005 PART NO.	SIZE	DESCRIPTION
	Oil Seal SEALS - REAR CRANK	FP-6150-21-3230 PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6151-21-4161		
	CYL. HEAD & PARTS	DARTHO	0:==	DECODINATION
QTY 6	GASKETS Head Gasket	<i>PART NO.</i> FP-6150-17-1813	SIZE	DESCRIPTION
1 6	Head Gasket Set Valve Cover Gasket	FP-6151-K1-9901 FP-6150-11-8810		
OTY	PUSH RODS	PART NO.	SIZE	DESCRIPTION



	114 11.0L 674 OHV L6, 4.9213" Bore				
	CYL. HEAD & PARTS (cont.)				
	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.	
QTY 12 12	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	DESCRIPTION Int. Exh.	
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6140-41-4540	SIZE	DESCRIPTION	
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.	
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4411 FP-6150-41-4430 FP-6150-41-4510	SIZE	Lower Upper	
	CYLINDER COMPONENTS				
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040 FP-6150-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION	
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK512150 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION	
6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION	
6 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6151-31-2150 FP-6151-31-2060 FP-6151-31-2420 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION	
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6151-K2-9901	SIZE	DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION	
11	5 11.0L 674 OHV L6, 4.921 <i>Dozer</i> S6D125; Build Series 1FF; Eng. Ser. No.		 A-1; Mode	el Ser. No. 50001-Up	
	COOLING SYSTEM	·			
	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION	
	·	, ,,	ad on nav	· · ·	



11.0L 674 OHV L6, 4.9213" Bore	115
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				11.0L 6/4 OHV L6, 4.9213 Bore 115 (cont.)
	COOLING SYSTEM (cont.)			
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-61-1121 FP-6151-K6-9902	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
1 7 7 7 7 7 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer Thrust Washer	PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010 FP-6150-26-8010 FP-6150-26-8010 FP-6150-20-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD	DESCRIPTION
	Thrust Washer Thrust Washer Thrust Washer OIL PUMP	FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-26-8050 PART NO.	.25MM .50MM .75MM 1.00MM	DESCRIPTION
1 QTY 1	Oil Pump SEALS - FRONT CRANK Oil Seal	FP-6151-51-1005 PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
_	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-17-1813 FP-6151-K1-9901 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.
12 12	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	Int. Exh.
QTY 12	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6140-41-4540	SIZE	DESCRIPTION
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.
12 12 12 24 24	Valve Spring Valve Spring Seat	PART NO. FP-6150-41-4411 FP-6150-41-4420 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Exh. Int. Lower Upper
	CYLINDER COMPONENTS			
6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040 FP-6150-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK512150 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION



CYLINDER COMPONENTS (cont.)	OTY PISTON RINGS		15 11.0L 674 OHV L6, 4.9213" Bore							
OTY PISTON RINGS	OTY PISTON RINGS		CYLINDER COMPONENTS (cont.)							
6 Piston Body wo Pin Piston Body wo Pin Piston Piston Piston Piston Pin Piston Pisto	6 Piston Body w/o Pin Piston Body wide Pin Piston Piston Piston Pin Pin Piston Piston Pin Piston Piston Pin Pi	QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION				
OTY CAM BEARINGS PART NO. SIZE DESCRIPTION	OTY CAM BEARINGS	6 6 6	Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing	FP-6151-31-2150 FP-6151-31-2060 FP-6151-31-2420 FP-6151-31-3230	SIZE	DESCRIPTION				
Total Camshaft Bearing	7 Camshaft Bearing		ENGINE BLOCK & PARTS							
1 Conversion Gasket Set FP-6151-K2-9901	Conversion Gasket Set				SIZE	DESCRIPTION				
1 Dil Pan Gasket FP-6150-21-5812	1 Oil Pan Gasket FP-6150-21-5812				SIZE	DESCRIPTION				
Puel Injectro Sieeve					SIZE	DESCRIPTION				
NT & EXH MANIFOLDS	Numary Fundamental Funda		FUEL SYSTEM & PARTS							
OTY INT. & EXH. MANIFOLDS Exhaust Manifold Gasket FP-6150-11-5810 FP-6150-13-8410	April Nation Company				SIZE	DESCRIPTION				
Exhaust Manifold Gasket	Exhaust Manifold Gasket		INT & EXH MANIFOLDS							
Dozer	September Sept	6	Exhaust Manifold Gasket	FP-6150-11-5810	SIZE	DESCRIPTION				
1	1 O-Ring Thermostat FP-6138-11-6810 FP-600-421-6310 2 Water Pump Heavy Duty FP-6151-61-1121 P-6151-61-1121 Water Pump Gasket Kit FP-6151-K6-9902 CRANKSHAFT/OIL PUMP		S6D125; Build Series 1GG; Eng. Ser. N S6D125; Build Series 1GG; Eng. Ser. N COOLING SYSTEM	o. 25851-Up; Model D83	BE-1; Mod	lel Ser. No. 1001-Up				
Water Pump - Heavy Duty Water Pump Gasket Kit FP-6151-61-1121 FP-6151-K6-9902	Water Pump - Heavy Duty FP-6151-61-1121 FP-6151-K6-9902	1	O-Ring	FP-6138-11-6810	SIZE	DESCRIPTION				
QTY Interview CRANKSHAFT Crankshaft PART NO. FP-6151-35-1010 SIZE DESCRIPTION QTY MAIN BEARINGS PART NO. SIZE DESCRIPTION 1 Main Bearing and Thrust Washer Main Bearing, Flanged FP-6150-21-8000 FP-6150-21-8010 STD	QTY 1 CRANKSHAFT Crankshaft PART NO. FP-6151-35-1010 SIZE DESCRIPTION QTY MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Main Bearing, Flanged FP-6150-21-8000 FP-6150-21-8010 STD Main Bearing, Flanged FP-6150-29-8010 SMM Main Bearing, Flanged FP-6150-28-8010 SMM Main Bearing, Flanged FP-6150-28-8010 SMM Main Bearing, Flanged FP-6150-27-8010 SMM FP-6150-27-8010 Thrust Washer FP-6150-21-8050 STD Thrust Washer FP-6150-21-8050 STD Thrust Washer FP-6150-29-8050 SMM Thrust Washer FP-6150-29-8050 SMM Thrust Washer FP-6150-28-8050 SMM Thrust Washer FP-6150-28-8050 SMM Thrust Washer FP-6150-27-8050 TSMM Thrust Washer FP-6150-27-8050 TSMM Thrust Washer FP-6150-26-8050 TSMM Thrust Washer FP-61		Water Pump - Heavy Duty	FP-6151-61-1121	SIZE	DESCRIPTION				
1 Crankshaft	Crankshaft		CRANKSHAFT/OIL PUMP							
1 Main Bearing and Thrust Washer FP-6150-21-8000 7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged FP-6150-28-8010 .50MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY OIL PUMP PART NO. SIZE DESCRIPTION QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION	1 Main Bearing and Thrust Washer FP-6150-21-8000 STD 7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged FP-6150-28-8010 .50MM 7 Main Bearing, Flanged FP-6150-228-8010 .50MM 7 Main Bearing, Flanged FP-6150-228-8010 .75MM 7 Main Bearing, Flanged FP-6150-228-8010 .75MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-29-8050 .50MM 1 Thrust Washer FP-6150-22-8050 .75MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION	1	Crankshaft							
7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged FP-6150-28-8010 .50MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-26-8010 1.00MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY OIL PUMP PART NO. SIZE DESCRIPTION QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION	7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged FP-6150-28-8010 .50MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-26-8010 1.00MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY Oil PUMP PART NO. SIZE DESCRIPTION QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION	1	Main Bearing and Thrust Washer	FP-6150-21-8000		DESCRIPTION				
7 Main Bearing, Flanged FP-6150-26-8010 1.00MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY OIL PUMP PART NO. SIZE DESCRIPTION 1 Oil Pump FP-6151-51-1005 QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION	7 Main Bearing, Flanged FP-6150-26-8010 1.00MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY OIL PUMP PART NO. SIZE DESCRIPTION 1 Oil Pump FP-6151-51-1005 QTY SEALS - FRONT CRANK OIL SEALS - REAR CRANK PART NO. SIZE DESCRIPTION QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION	7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-29-8010 FP-6150-28-8010	.25MM .50MM					
1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY OIL PUMP PART NO. Oil Pump FP-6151-51-1005 SIZE DESCRIPTION QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION	1 Thrust Washer Thrus	7 1	Main Bearing, Flanged Thrust Washer	FP-6150-26-8010 FP-6150-21-8050	1.00MM STD					
QTY OIL PUMP PART NO. SIZE DESCRIPTION 1 Oil Pump FP-6151-51-1005 QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION	QTY 1 OIL PUMP Oil Pump PART NO. FP-6151-51-1005 SIZE DESCRIPTION QTY 5EALS - FRONT CRANK Oil Seal PART NO. FP-6150-21-3230 SIZE DESCRIPTION QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION	1	Thrust Washer Thrust Washer	FP-6150-28-8050 FP-6150-27-8050	.50MM .75MM					
QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION	QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION Oil Seal FP-6150-21-3230 QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION	QTY	OIL PUMP	PART NO.		DESCRIPTION				
U Deal	QTY SEALS - REAR CRANK PART NO. SIZE DESCRIPTION		SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION				
	(continued on next nega)		SEALS - REAR CRANK	PART NO. FP-6151-21-4161						





				11.0L 674 OHV L6, 4.9213" Bore 116 (cont.)
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-17-1813 FP-6151-K1-9901 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.
QTY 12 12	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	DESCRIPTION Int. Exh.
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4540	SIZE	DESCRIPTION
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.
12 12 12 24 24	VALVE SPRING Valve Spring Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4411 FP-6150-41-4420 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Exh. Int. Lower Upper
	CYLINDER COMPONENTS	0.00 10.10		орро.
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040 FP-6150-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK512171 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6151-31-2171 FP-6151-31-2071 FP-6151-31-2420 FP-6151-31-3230 FP-04065-04818	SIZE	DESCRIPTION
QTY	ENGINE BLOCK & PARTS CAM BEARINGS	PART NO.	SIZE	DESCRIPTION
7 QTY 1	Camshaft Bearing GASKET SETS Conversion Gasket Set	FP-6150-21-1490 PART NO. FP-6151-K2-9901	SIZE	DESCRIPTION
	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION



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Dozer

S6D125; Build Series 1E; From Eng. Ser. No. 10006 to 23192; Model D75S-5; Model Ser. No. 15001-Up S6D125; Build Series 1F; Eng. Ser. No. 10001-Up; Model D60A-8A; Model Ser. No. 45001-Up

S6D125; Build Series 1F; Eng. Ser. No. 10001-Up; Model D60F-8; Model Ser. No. 45001-Up

COOLING SYSTEM Continued		S6D125; Build Series 1F; Eng. Ser. No. 1	10001-Up; Model D60F	-8; Model	1 Ser. No. 45001-Up
1 O-Ring		COOLING SYSTEM			
Thermostat		= =		SIZE	DESCRIPTION
Water Pump Gasted Kit					
Water Pump Gasket Kit				0.75	PERCENTION
CRANKSHAFT/OIL PUMP				SIZE	DESCRIPTION
Ory CRANKSHAFT		'	11 0101 10 0002		
1 Crankshaft FP-6151-35-1010 SIZE DESCRIPTION					
AND TRAINING PART NO. SIZE DESCRIPTION				SIZE	DESCRIPTION
1 Main Bearing, Flanged				SIZE	DESCRIPTION
7 Main Bearing, Flanged FP-6150-24-8010 25MM 7 Main Bearing, Flanged FP-6150-28-8010 25MM 7 Main Bearing, Flanged FP-6150-28-8010 .55MM 7 Main Bearing, Flanged FP-6150-28-8010 .75MM 1 Thrust Washer FP-6150-28-8050 .25MM 2 Thrust Washer FP-6150-48-8050 .25MM 2				SIZL	DESCRIPTION
7 Main Bearing, Flanged FP-6150-28-8010	7	Main Bearing, Flanged	FP-6150-21-8010	STD	
7 Main Bearing, Flanged FP-6150-27-8010					
7 Main Bearing, Flanged FP-6150-26-8010 I. JOMM FP-6150-29-8050 I. Thrust Washer FP-6150-29-8050 I. Thrust Washer FP-6150-29-8050 I. Thrust Washer FP-6150-29-8050 I. Thrust Washer FP-6150-27-8050 II. Thrust Washer FP-6150-27-8050 III. III. III. III. Thrust Washer FP-6150-27-8050 III. III. III. Thr					
1 Thrust Washer					
1 Thrust Washer					
1 Thrust Washer					
Thrust Washer					
1 Thrust Washer					
	1	Thrust Washer			
	OTV	OII PLIMP	PART NO	SIZE	DESCRIPTION
Oil Seal				JIZL	DESCRIPTION
Oil Seal	OTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
The connecting Robe Bearing Pair Proposition Proposi			-	0.22	22001 11011
The connecting Robe Bearing Pair Proposition Proposi	QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
ACT GASKETS			FP-6151-21-4161	_	
6 Head Gasket FP-6150-17-1813 1 Head Gasket Set FP-6150-11-810 2 PUSH RODS PART NO. FP-6150-41-3111 2 Push Rod FP-6150-41-3111 2 Push Rod FP-6150-41-3111 3 DESCRIPTION 48 Valve Keeper FP-6136-42-4520 12 Valve, Exhaust FP-6150-41-4210 12 Valve, Intake FP-6150-41-4111 2 Valve Guide FP-6150-41-4111 2 Valve Guide FP-6150-41-4111 2 Valve Guide FP-6150-12-1341 12 Valve Guide FP-6150-12-1351 2 Valve Stem Seal FP-6150-12-1351 2 Valve Stem Seal FP-6150-11-1320 2 Valve Seat FP-6150-11-1320 2 Valve Seat FP-6150-11-1320 2 Valve Seat FP-6150-11-1320 2 Valve Spring FP-6150-11-1320 3 DESCRIPTION 3 DESCRIPTION 3 DESCRIPTION 4 DESCRIPTION 5 D		CYL. HEAD & PARTS			
Head Gasket Set FP-6151-K1-9901	QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
FP-6150-11-8810 SIZE DESCRIPTION	_				
QTY VALVE SEAL PART NO. SIZE DESCRIPTION					
12			FP-6150-11-8810		
VALVE				SIZE	DESCRIPTION
A8					
12				SIZE	
12					Int. & Exh.
VALVE GUIDE					
12		· · · · · · · · · · · · · · · · · · ·			
12			-	SIZE	
Valve Stem Seal PART NO. SIZE DESCRIPTION					
Valve Stem Seal FP-6140-41-4540				0:	
QTY VALVE SEAT PART NO. SIZE DESCRIPTION 12 Valve Seat FP-6150-11-1320 Exh. 12 Valve Seat FP-6151-11-1330 Int. QTY VALVE SPRING PART NO. SIZE DESCRIPTION 12 Valve Spring FP-6150-41-4411 Exh. 12 Valve Spring FP-6150-41-4420 Int. 24 Valve Spring Seat FP-6150-41-4430 Lower 24 Valve Spring Seat FP-6150-41-4510 Upper CYLINDER COMPONENTS CONNECTING RODS & BRGS. PART NO. SIZE DESCRIPTION 6 Connecting Rod Bearing Pair FP-6151-31-3040 STD 6 Connecting Rod Bearing Pair FP-6151-39-3040 .25MM 6 Connecting Rod Bearing Pair FP-6151-38-3040 .50MM 6 Connecting Rod Bearing Pair FP-6151-38-3040 .75MM 6 Connecting Rod Bearing Pair FP-6151-37-3040 .75MM 6 Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM		_		SIZE	DESCRIPTION
12 Valve Seat FP-6150-11-1320 Exh. 12 Valve Seat FP-6151-11-1330 Int. QTY VALVE SPRING PART NO. SIZE DESCRIPTION 12 Valve Spring FP-6150-41-4411 Exh. 12 Valve Spring Seat FP-6150-41-4420 Int. 24 Valve Spring Seat FP-6150-41-4430 Lower 24 Valve Spring Seat FP-6150-41-4510 Upper **CYLINDER COMPONENTS **CONNECTING RODS & BRGS.** **CONNECTING RODS & PART NO.** **CONNECTING RODS & PART NO.** **SIZE DESCRIPTION* **SIZE DE				QI7E	DESCRIPTION
12				SIZE	
VALVE SPRING					
12 Valve Spring FP-6150-41-4411 Exh. 12 Valve Spring FP-6150-41-4420 Int. 24 Valve Spring Seat FP-6150-41-4430 Lower 24 Valve Spring Seat FP-6150-41-4510 Upper CYLINDER COMPONENTS CONNECTING RODS & BRGS. Connecting Rod Bearing Pair FP-6151-31-3040 Connecting Rod Bearing Pair FP-6151-33-3040 Connecting Rod Bearing Pair FP-6151-39-3040 Connecting Rod Bearing Pair FP-6151-38-3040 Connecting Rod Bearing Pair FP-6151-37-3040 Connecting Rod Bearing Pair FP-6151-36-3040 TSMM Connecting R				SIZE	
12 Valve Spring FP-6150-41-4420 Int. 24 Valve Spring Seat FP-6150-41-4430 Lower 24 Valve Spring Seat FP-6150-41-4510 Upper CYLINDER COMPONENTS CONNECTING RODS & PART NO. SIZE DESCRIPTION 6 Connecting Rod Bearing Pair FP-6151-31-3040 STD 6 Connecting Rod Bearing Pair FP-6151-39-3040 .25MM 6 Connecting Rod Bearing Pair FP-6151-38-3040 .50MM 6 Connecting Rod Bearing Pair FP-6151-37-3040 .75MM 6 Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM				JIZE	
24 Valve Spring Seat		, ,			
CYLINDER COMPONENTS CONNECTING RODS & PART NO. SIZE Onnecting Rod Bearing Pair FP-6151-31-3040 STD Connecting Rod Bearing Pair FP-6151-39-3040 .25MM Connecting Rod Bearing Pair FP-6151-38-3040 .50MM Connecting Rod Bearing Pair FP-6151-37-3040 .75MM Connecting Rod Bearing Pair FP-6151-37-3040 .75MM Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM					
CONNECTING RODS & BRGS. PART NO. SIZE DESCRIPTION Connecting Rod Bearing Pair FP-6151-31-3040 STD Connecting Rod Bearing Pair FP-6151-39-3040 .25MM Connecting Rod Bearing Pair FP-6151-38-3040 .50MM Connecting Rod Bearing Pair FP-6151-37-3040 .75MM Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM					
QTYBRGS.PART NO.SIZEDESCRIPTION6Connecting Rod Bearing PairFP-6151-31-3040STD6Connecting Rod Bearing PairFP-6151-39-3040.25MM6Connecting Rod Bearing PairFP-6151-38-3040.50MM6Connecting Rod Bearing PairFP-6151-37-3040.75MM6Connecting Rod Bearing PairFP-6151-36-30401.00MM		CYLINDER COMPONENTS			
Connecting Rod Bearing Pair FP-6151-31-3040 STD Connecting Rod Bearing Pair FP-6151-39-3040 .25MM Connecting Rod Bearing Pair FP-6151-38-3040 .50MM Connecting Rod Bearing Pair FP-6151-37-3040 .75MM Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM					
6 Connecting Rod Bearing Pair FP-6151-39-3040 .25MM 6 Connecting Rod Bearing Pair FP-6151-38-3040 .50MM 6 Connecting Rod Bearing Pair FP-6151-37-3040 .75MM 6 Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM	QTY				DESCRIPTION
6 Connecting Rod Bearing Pair					
Connecting Rod Bearing Pair FP-6151-37-3040 .75MM Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM					
6 Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM					
	Ö	Connecting not bearing Pair			



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Fisher Body w/o Pin Pishon Body w/o Pin Pishon Body w/o Pin Pishon Pin Bushing Pishon Pishon Pin Bushing Pishon Pis					(cont.)
Colling FP-455-22-220		CYLINDER COMPONENTS (d	cont.)		, ,
Figure F	QTY 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring	PART NO. FP-LK512710 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240	SIZE	DESCRIPTION
S			_	SIZE	DESCRIPTION
CAM BEARINGS	6 6 6 6	Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	FP-6151-31-2710 FP-6151-31-2012 FP-6151-31-2410 FP-6150-31-3130	SIZE	DESCRIPTION
Total Conversion Gasket Set					
Conversion Gasket Set	7	Camshaft Bearing	FP-6150-21-1490		
Total Coling System FP-6150-21-5812 FP-6150-11-5810 FP-6150-21-680 FP-6153-5-11010 FP-6153-6-11010 FP-6153-6-110010 FP-6153-6-11010 FP-6153-6-11010 FP-6153-6-11010 FP-6	QTY 1			SIZE	DESCRIPTION
Fuel Injector Sleeve				SIZE	DESCRIPTION
Fuel Injector Sleeve					
NTT. & EXH. MANIFOLDS FP-6150-11-5810 FP-6150-11-5810 FP-6150-11-5810 FP-6150-13-4810 FP-6150-13-51010 FP-6150-13-5100 FP-6150-13-51000 FP-6150-13-51000 FP-6150-13-5100 FP-6150-13-51000 FP-6150-13-51000 FP-6150-13-51000				SIZE	DESCRIPTION
State		INT & EXH MANIFOLDS			
Discription	6	Exhaust Manifold Gasket	FP-6150-11-5810	SIZE	DESCRIPTION
THERMOSTAT			S6D125E; Build Series 2A S6D125E; Build Series 2A	; Eng. S ; Eng. S	er. No. 60863-Up; Model D65EX-12; Model Ser. No. 60942-Up er. No. 60863-Up; Model D65P-12; Model Ser. No. 60884-Up er. No. 60863-Up; Model D65PX-12; Model Ser. No. 60884-Up
1 O-Ring		COOLING SYSTEM			
Water Pump - Heavy Duty Water Pump Gasket Kit FP-6151-62-1104	1	O-Ring	FP-6150-22-6490	SIZE	DESCRIPTION
CRANKSHAFT	1	Water Pump - Heavy Duty	FP-6151-62-1104	SIZE	DESCRIPTION
1 Crankshaft		CRANKSHAFT/OIL PUMP			
1 Main Bearing and Thrust Washer FP-6150-21-8000 STD 7 Main Bearing, Flanged FP-6150-21-8010 STD 7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged FP-6150-28-8010 .50MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-26-8010 1.00MM 1 Thrust Washer FP-6150-21-8050 STD 1 Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-29-8050 .50MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY Oil PUMP PART NO. SIZE DESCRIPTION 0il Seal FP-6150-21-3230 SIZE DESCRIPTION			_	SIZE	DESCRIPTION
1 Oil Pump FP-6151-51-1005 QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION 1 Oil Seal FP-6150-21-3230	1 7 7 7 7 1 1 1	Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-26-8050	STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	
1 Oil Seal FP-6150-21-3230	1	Oil Pump	FP-6151-51-1005		
(continued on next page)			FP-6150-21-3230		



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	CRANKSHAFT/OIL PUMP (cont.)					
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6151-12-1810 FP-6154-K1-9900 FP-6150-11-8810	SIZE	DESCRIPTION		
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION		
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION Int. & Exh.		
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.		
24	VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4570		DESCRIPTION		
12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.		
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Int. & Exh. Lower Upper		
	CYLINDER COMPONENTS					
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040 FP-6150-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM			
	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK512110 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION		
6 6 6 12	****	PART NO. FP-6151-32-2110 FP-6150-31-2420 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION		
OTV	ENGINE BLOCK & PARTS CAM BEARINGS	PART NO.	SIZE	DESCRIPTION		
7	Cam BEARINGS Camshaft Bearing GASKET SETS	FP-6150-21-1490				
1	Conversion Gasket Set	PART NO. FP-6154-K2-9900		DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION		
OTV	FUEL SYSTEM & PARTS FUEL INJECTION	PART NO.	Q17E	DESCRIPTION		
6	Fuel Injector Sleeve	FP-6136-11-1130	SIZE	DESCRIPTION		
6	INT & EXH MANIFOLDS INT. & EXH. MANIFOLDS Exhaust Manifold Gasket	PART NO. FP-6150-11-5810	SIZE	DESCRIPTION		
6	Intake Manifold Gasket	FP-6150-13-4810				



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			S6D125	Dozer 5E; Build Series 2; Model D87E-2; Model Ser. No. P090001-Up
	COOLING SYSTEM			
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6150-22-6490 FP-600-421-6630		
	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6152-61-1102		
1	Water Pump Gasket Kit	FP-6155-K6-9900		
071	CRANKSHAFT/OIL PUMP	D.4.D.T. W.O.	0.75	PERCENTION
QIY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Main Bearing and Thrust Washer	FP-6150-21-8000		
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010	STD .25MM	
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM	
7	Main Bearing, Flanged	FP-6150-27-8010	.75MM	
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM	
1	Thrust Washer Thrust Washer	FP-6150-21-8050 FP-6150-29-8050	STD .25MM	
Ιί	Thrust Washer	FP-6150-28-8050	.50MM	
1	Thrust Washer	FP-6150-27-8050	.75MM	
1	Thrust Washer	FP-6150-26-8050	1.00MM	
	OIL PUMP	PART NO.	SIZE	DESCRIPTION
1	Oil Pump	FP-6151-51-1005	0.75	PERCENTION
Q 1 Y	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
6	Head Gasket	FP-6151-12-1810		
1	Head Gasket Set	FP-6154-K1-9900		
6	Valve Cover Gasket	FP-6150-11-8810	0175	DECODIDEION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY		PART NO.	SIZE	
48	Valve Keeper	FP-6136-42-4520		Int. & Exh.
12 12	Valve, Exhaust Valve, Intake	FP-6150-42-4210 FP-6150-42-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
24	Valve Guide	FP-6150-12-1370		Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6150-41-4570	SIZE	DESCRIPTION
	VALVE SEAT	PART NO.	SIZE	
12	Valve Seat	FP-6150-11-1320		Exh.
12	Valve Seat	FP-6150-12-1380		Int.
QTY	VALVE SPRING Valve Spring	PART NO.	SIZE	DESCRIPTION Let & Eve
24 24	Valve Spring Valve Spring Seat	FP-6150-41-4450 FP-6150-41-4430		Int. & Exh. Lower
24	Valve Spring Seat Valve Spring Seat	FP-6150-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6150-31-3040 FP-6150-39-3040	STD .25MM	
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6150-39-3040	.23MM	
6	Connecting Rod Bearing Pair	FP-6150-37-3040	.75MM	
6	Connecting Rod Bearing Pair	FP-6150-36-3040	1.00MM	
QTY	LINERS	PART NO.	SIZE	DESCRIPTION
6	Cylinder Kit Complete	FP-LK522510		
6	Liner w/o Sealing Ring	FP-6154-21-2220		
6 6	O-Ring O-Ring	FP-6150-21-2230 FP-6150-21-2240		
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	CYLINDER COMPONENTS (co	nt.)					
QTY 6	LINERS (cont.) Sealing Ring, Liner	PART NO. FP-6150-21-2250	SIZE	DESCRIPTION			
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION			
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION			
	ENGINE BLOCK & PARTS						
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION			
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6154-K2-9900	SIZE	DESCRIPTION			
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION			
	FUEL SYSTEM & PARTS						
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION			
	INT & EXH MANIFOLDS						
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION			
	20 11.0L 674 OHV L6, 4.92 Dozer S6D125E; Build Series 2; Eng. Ser. No S6D125E; Build Series 2E; Eng. Ser. No S6D125E; Build Series 2E; Eng. Ser. No	o. 60863-Up; Model D87P No. 60863-Up; Model D85	E-21E; M	odel Ser. No. 36534-Up			
	Dozer S6D125E; Build Series 2; Eng. Ser. No	o. 60863-Up; Model D87P No. 60863-Up; Model D85 No. 60863-Up; Model D85 No. 60863-Up; Model D85	E-21E; M P-21E; M C-21A; M	odel Ser. No. 36534-Üp odel Ser. No. 3689-Up odel Ser. No. 36551-Up			
	Dozer S6D125E; Build Series 2; Eng. Ser. No S6D125E; Build Series 2E; Eng. Ser. No S6D125E; Build Series 2E; Eng. Ser. No S6D125E; Build Series 2F; Eng. Ser. No S6D125E; Build Series 2F; Eng. Ser. No S6D125E; Build Series 2F; Eng. Ser. No	o. 60863-Up; Model D87P No. 60863-Up; Model D85 No. 60863-Up; Model D85 No. 60863-Up; Model D85	E-21E; M P-21E; M C-21A; M C-21D; M	odel Ser. No. 36534-Üp odel Ser. No. 3689-Up odel Ser. No. 36551-Up			
QTY 1 1 1	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. S6D125E; Build Series 2F; Eng. Ser. No. S6D125E; Build Series 2F; Eng. S6D125E; Build Series 2F; Eng. S6D125E; Build Series 2F; En	o. 60863-Up; Model D87P No. 60863-Up; Model D85 No. 60863-Up; Model D85 No. 60863-Up; Model D85 No. 60863-Up; Model D85 PART NO. FP-6150-22-6490	E-21E; M P-21E; M C-21A; M C-21D; M	odel Ser. No. 36534-Üp odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up			
QTY 1 1 QTY	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. S	D. 60863-Up; Model D87P No. 60863-Up; Model D85 PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104	E-21E; M P-21E; M C-21A; M C-21D; M	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up ODESCRIPTION			
QTY 1 1 QTY 1 1	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. S	D. 60863-Up; Model D87P No. 60863-Up; Model D85 PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104	E-21E; M P-21E; M C-21A; M C-21D; M SIZE	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up ODESCRIPTION			
QTY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. S	D. 60863-Up; Model D87P No. 60863-Up; Model D85 PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104 FP-6155-K6-9900 PART NO. FP-6151-35-1010 PART NO. FP-6150-21-8000	E-21E; M P-21E; M C-21A; M C-21D; M SIZE SIZE SIZE	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up DESCRIPTION DESCRIPTION			
QTY 1 1 QTY 1 1 QTY 1 7 7	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. S6D125E; Eng. S6D125E; Eng. Ser. No. S6D125E; Eng. S6D125E; Eng. Ser. No. S6D125E; Eng. S6D125E;	D. 60863-Up; Model D87P No. 60863-Up; Model D85 PART NO. FP-6150-22-6490 FP-6151-62-1104 FP-6155-K6-9900 PART NO. FP-6151-35-1010 PART NO. FP-6150-21-8000 FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010	E-21E; M P-21E; M C-21A; M C-21D; M SIZE SIZE SIZE STD .25MM .50MM	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up DESCRIPTION DESCRIPTION			
QTY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. Series 2F; Eng. Series 2F; Eng. Series 2F; Eng. Series 2	D. 60863-Up; Model D87P No. 60863-Up; Model D85 No. 60	E-21E; M P-21E; M C-21A; M C-21D; M SIZE SIZE SIZE STD .25MM .50MM .75MM 1.00MM STD	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up DESCRIPTION DESCRIPTION			
QTY 1 1 1 QTY 1 1 7 7 7 7 7 7	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. Series 2F; Eng. Series 2F; Eng. Ser. No. Series 2F; Eng. Series 2F; Eng. Series 2F; Eng. Series 2F; Eng. S	D. 60863-Up; Model D87P No. 60863-Up; Model D85 No. 60863-Up; Model D87 No. 60863-Up; Model D87 No. 60863-Up; Model D87 No. 60863-Up; Model D85 No. 60	E-21E; M P-21E; M C-21A; M C-21D; M SIZE SIZE SIZE STD .25MM .50MM 1.00MM	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up DESCRIPTION DESCRIPTION			
QTY 1 1 1 1 7 7 7 7 7 1 1 1 1 1 1 1 1 1	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. Series 2F; Eng. Series 2F;	D. 60863-Up; Model D87P No. 60863-Up; Model D85 PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104 FP-6155-K6-9900 PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-21-8050 FP-6150-28-8050 FP-6150-28-8050 FP-6150-27-8050	E-21E; M P-21E; M C-21A; M C-21D; M SIZE SIZE SIZE STD .25MM .50MM .75MM 1.00MM .75MM 1.00MM	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up DESCRIPTION DESCRIPTION			
QTY 1 1 1 7 7 7 7 7 7 1 1 1 1 1 QTY 1	Dozer S6D125E; Build Series 2; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2E; Eng. Ser. No. S6D125E; Build Series 2F; Eng. Ser. No. Series 2F; Eng. Series 2F;	D. 60863-Up; Model D87P No. 60863-Up; Model D85 PART NO. FP-6150-22-6490 FP-6151-62-1104 FP-6155-K6-9900 PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-28-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-26-8050 FP-6150-26-8050 PART NO.	E-21E; M P-21E; M C-21A; M C-21D; M SIZE SIZE SIZE STD .25MM .50MM .75MM .1.00MM STD .25MM .75MM .75MM .75MM .75MM .75MM	odel Ser. No. 36534-Up odel Ser. No. 3689-Up odel Ser. No. 36551-Up odel Ser. No. 36551-Up DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION			



FUEL SYSTEM & PARTS

INT & EXH MANIFOLDS

PART NO.

PART NO.

FP-6136-11-1130

FP-6150-11-5810

FP-6150-13-4810

QTY FUEL INJECTION

6 | Fuel Injector Sleeve

QTY INT. & EXH. MANIFOLDS

Exhaust Manifold Gasket

Intake Manifold Gasket

Komatsu Off Highway

11.0L 674 OHV L6, 4.9213" Bore 120 **CYL. HEAD & PARTS** QTY GASKETS PART NO. SIZE DESCRIPTION Head Gasket FP-6151-12-1810 6 Head Gasket Set FP-6154-K1-9900 Valve Cover Gasket FP-6150-11-8810 QTY PUSH RODS SIZE DESCRIPTION PART NO. Push Rod FP-6150-41-3111 12 QTY VALVE PART NO. SIZE **DESCRIPTION** 48 Valve Keeper FP-6136-42-4520 Int. & Exh. 12 Valve, Exhaust FP-6150-42-4210 FP-6150-42-4110 12 Valve, Intake QTY **VALVE GUIDE DESCRIPTION** PART NO. SIZE 24 Valve Guide FP-6150-12-1370 Int. & Exh. QTY **VALVE SEAL** DESCRIPTION PART NO SIZE Valve Stem Seal FP-6150-41-4570 QTY **VALVE SEAT** PART NO. SIZE **DESCRIPTION** Valve Seat FP-6150-11-1320 12 Exh. 12 Valve Seat FP-6151-11-1330 Int. QTY VALVE SPRING PART NO. SIZE DESCRIPTION 24 Valve Spring FP-6150-41-4450 Int. & Exh. Valve Spring Seat FP-6150-41-4430 Lower 24 24 Valve Spring Seat FP-6150-41-4510 Upper CYLINDER COMPONENTS **CONNECTING RODS &** QTY BRGS. PART NO. SIZE **DESCRIPTION** 6 Connecting Rod Bearing Pair FP-6151-31-3040 STD FP-6151-39-3040 Connecting Rod Bearing Pair .25MM 6 Connecting Rod Bearing Pair FP-6151-38-3040 .50MM Connecting Rod Bearing Pair FP-6151-37-3040 .75MM 6 Connecting Rod Bearing Pair 6 FP-6151-36-3040 1.00MM QTY LINERS PART NO. SIZE DESCRIPTION Cylinder Kit Complete FP-LK522510 6 Liner w/o Sealing Ring FP-6151-22-2220 6 6 O-Ring FP-6150-21-2230 O-Ring FP-6150-21-2240 6 6 Sealing Ring, Liner FP-6150-21-2250 **QTY PISTON RINGS** PART NO. SIZE DESCRIPTION Ring Set, Single Cylinder 6 FP-6150-32-2030 QTY **PISTONS** PART NO. SIZE DESCRIPTION Piston Body w/o Pin FP-6152-32-2510 6 6 Piston Pin FP-6151-31-2410 Piston Pin Bushing FP-6150-31-3130 Piston Pin Retainer FP-04065-04818 12 **ENGINE BLOCK & PARTS** QTY CAM BEARINGS DESCRIPTION PART NO. SIZE Camshaft Bearing FP-6150-21-1490 QTY GASKET SETS PART NO. SIZE DESCRIPTION Conversion Gasket Set FP-6154-K2-9900 **QTY GASKETS** SIZE DESCRIPTION PART NO. Oil Pan Gasket FP-6150-21-5812 1

SIZE DESCRIPTION

SIZE DESCRIPTION



121 11.0L 674 OHV L6, 4.9213" Bore Dozer S6D125E; Build Series 2C; Eng. Ser. No. 60863-Up; Model D85A-21B; Model Ser. No. 36537-Up S6D125E; Build Series 2C; Eng. Ser. No. 60863-Up; Model D85A-21E; Model Ser. No. 36537-Up **COOLING SYSTEM** QTY THERMOSTAT PART NO. SIZE DESCRIPTION O-Ring FP-6150-22-6490 1 Thermostat FP-600-421-6630 QTY **WATER PUMP** PART NO. SIZE DESCRIPTION Water Pump - Heavy Duty FP-6151-62-1104 Water Pump Gasket Kit FP-6155-K6-9900 **CRANKSHAFT/OIL PUMP** QTY CRANKSHAFT PART NO. SIZE DESCRIPTION Crankshaft FP-6151-35-1010 MAIN BEARINGS QTY PART NO. SIZE DESCRIPTION Main Bearing and Thrust Washer FP-6150-21-8000 7 Main Bearing, Flanged FP-6150-21-8010 STD 7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged .50MM FP-6150-28-8010 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-26-8010 1.00MM Thrust Washer FP-6150-21-8050 STD Thrust Washer FP-6150-29-8050 .25MM 1 1 **Thrust Washer** FP-6150-28-8050 .50MM Thrust Washer FP-6150-27-8050 .75MM 1 FP-6150-26-8050 1.00MM 1 **Thrust Washer** QTY OIL PUMP PART NO. SIZE **DESCRIPTION** Oil Pump FP-6151-51-1005 QTY SEALS - FRONT CRANK PART NO. SIZE DESCRIPTION Oil Seal FP-6150-21-3230 1 **QTY SEALS - REAR CRANK** PART NO. SIZE DESCRIPTION FP-6151-21-4161 Oil Seal **CYL. HEAD & PARTS** QTY **GASKETS** PART NO. SIZE DESCRIPTION FP-6151-12-1810 Head Gasket 6 Head Gasket Set FP-6154-K1-9900 FP-6150-11-8810 6 Valve Cover Gasket QTY **PUSH RODS** PART NO. SIZE DESCRIPTION Push Rod FP-6150-41-3111 12 SIZE DESCRIPTION QTY **VALVE** PART NO. 48 Valve Keeper FP-6136-42-4520 Int. & Exh. 12 Valve, Exhaust FP-6150-42-4210 12 Valve, Intake FP-6150-42-4110 **VALVE GUIDE** PART NO. SIZE DESCRIPTION QTY Valve Guide FP-6150-12-1370 24 Int. & Exh QTY **VALVE SEAL** SIZE DESCRIPTION PART NO. 24 Valve Stem Seal FP-6150-41-4570 **VALVE SEAT** QTY PART NO. SIZE DESCRIPTION Valve Seat FP-6150-11-1320 12 Exh. 12 Valve Seat FP-6151-11-1330 Int. DESCRIPTION **VALVE SPRING** QTY PART NO. SIZE 24 Valve Spring FP-6150-41-4450 Int. & Exh. Valve Spring Seat FP-6150-41-4430 24 Lower Valve Spring Seat FP-6150-41-4510 Upper **CYLINDER COMPONENTS CONNECTING RODS &** QTY BRGS. PART NO. SIZE DESCRIPTION 6 Connecting Rod Bearing Pair FP-6151-31-3040 STD Connecting Rod Bearing Pair FP-6151-39-3040 6 .25MM Connecting Rod Bearing Pair 6 FP-6151-38-3040 .50MM 6 Connecting Rod Bearing Pair FP-6151-37-3040 .75MM 6 Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM

(continued on next page)

SIZE DESCRIPTION

PART NO.

FP-LK522510

FP-6151-22-2220

QTY

6

6

LINERS

Cylinder Kit Complete

Liner w/o Sealing Ring



				11.0L 674 OHV L6, 4.9213" Bore 121 (cont.)
	CYLINDER COMPONENTS (co	nt.)		
QTY 6 6 6	LINERS (cont.) O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6154-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
	COOLING SYSTEM	SA6D125; Build Series	1Q; Eng.	11.0L 674 OHV L6, 4.9213" Bore 122 Dozer Ser. No. 28389-Up; Model D135A-1; Model Ser. No. 10001-Up
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
2 2	O-Ring Thermostat	FP-6138-11-6810 FP-600-421-6310		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-61-1121 FP-6152-K6-1200	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
1 7 7 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010	STD .25MM .50MM	DESCRIPTION
7 7 1 1	Main Bearing, Flanged Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer	FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050	.75MM 1.00MM STD .25MM .50MM	
1	Thrust Washer Thrust Washer	FP-6150-27-8050 FP-6150-26-8050	.75MM 1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-17-1813 FP-6152-K1-9901 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION



	122 11.0L 674 OHV L6, 4.9213" Bore					
(cor	CYL. HEAD & PARTS (cont.)					
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.		
QTY 12 12	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	DESCRIPTION Int. Exh.		
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4540	SIZE	DESCRIPTION		
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.		
QTY 12 12 24 24	VALVE SPRING Valve Spring Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4411 FP-6150-41-4420 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Exh. Int. Lower Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040 FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522113 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION		
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-31-2113 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION		
1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6152-K2-9901		DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION		



11.0L 674 OHV L6, 4.9213" Bore 123

Dozer

SA6D125E; Build Series 3A; Eng. Ser. No. 310314-Up; Model D65EX-12-E; Model Ser. No. 60942-Up SA6D125E; Build Series 3A; Eng. Ser. No. 310314-Up; Model D65P-12-E; Model Ser. No. 60884-Up SA6D125E; Build Series 3A; Eng. Ser. No. 310314-Up; Model D65PX-12-E; Model Ser. No. 60884-Up SA6D125E; Build Series 3B-7; Eng. Ser. No. 310001-Up; Model D85EX-15; Model Ser. No. 10001-Up

	SAUDT	ZJL, Dullu Jelles JD-7	, Lily. Sei	. No. 310001-0p, Model DosEX-15, Model Sel. No. 10001-0p
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6150-22-6490	•	
1	Thermostat	FP-600-421-6630		
QTY	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6154-61-1102	0	
1	Water Pump Gasket Kit	FP-6159-K6-9900		
	CRANKSHAFT/OIL PUMP			
OTV	CRANKSHAFT	DARTNO	CIZE	DESCRIPTION
1	Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1	Main Bearing and Thrust Washer	FP-6150-21-8000	OTD	
7	Main Bearing, Flanged	FP-6150-21-8010	STD	
7	Main Bearing, Flanged	FP-6150-29-8010	.25MM	
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM	
7	Main Bearing, Flanged	FP-6150-27-8010	.75MM	
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM	
1	Thrust Washer Thrust Washer	FP-6150-21-8050	STD	
1		FP-6150-29-8050	.25MM	
1	Thrust Washer Thrust Washer	FP-6150-28-8050	.50MM .75MM	
1	Thrust Washer Thrust Washer	FP-6150-27-8050 FP-6150-26-8050	.75MM 1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6154-51-1000	SIZE	DESCRIPTION
	'			
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6150-21-3230		
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6151-21-4161		
	CYL. HEAD & PARTS			
OTV	GASKETS	PART NO.	CITE	DESCRIPTION
6	Head Gasket	FP-6151-12-1810	SIZE	DESCRIPTION
1	Head Gasket Set	FP-6151-12-1610 FP-6159-K1-9900		
6	Valve Cover Gasket	FP-6150-11-8810		
			0:==	DECORIDEION
	PUSH RODS	PART NO.	SIZE	DESCRIPTION
12	Push Rod	FP-6150-41-3111		
	VALVE	PART NO.	SIZE	DESCRIPTION
48	Valve Keeper	FP-6136-42-4520		Int. & Exh.
12	Valve, Exhaust	FP-6150-42-4210		
12	Valve, Intake	FP-6150-42-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
24	Valve Guide	FP-6150-12-1370		Int. & Exh.
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
		FP-6150-41-4570		
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
12	Valve Seat	FP-6150-11-1320	SIZE	Exh.
12	Valve Seat	FP-6150-11-1320 FP-6150-12-1380		Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
	Valve Spring	FP-6150-41-4450	SIZE	Int. & Exh.
24 24	Valve Spring Valve Spring Seat	FP-6150-41-4430		Lower
24	Valve Spring Seat Valve Spring Seat	FP-6150-41-4510		Upper
		. 1 0130-41-4310		<u></u>
	CYLINDER COMPONENTS			
	CONNECTING RODS &	DADTIG	c:==	DECODIDATION
	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6151-31-3040	STD	
6	Connecting Rod Bearing Pair	FP-6151-39-3040	.25MM	
6	Connecting Rod Bearing Pair	FP-6151-38-3040	.50MM	
6	Connecting Rod Bearing Pair	FP-6151-37-3040	.75MM	
6	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM	
		(continue	ed on nex	t nago)



123 11.0L 674 OHV L6, 4.9213" Bore (cont.)				
CYLINDER COMPONENTS (cont.)				
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6154-21-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
ENGINE BLOCK & PARTS				
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6159-K2-9900		DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
INT & EXH MANIFOLDS				
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
124 11.0L 674 OHV L6, 4.9213" Bore <i>Dumper Tractor</i> S6D125; Build Series 1R; Eng. Ser. No. 16790-Up; Model HD205-3; Model Ser. No. 1003-Up				
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump Gasket Kit	PART NO. FP-6151-K6-9902	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
1 7 7 7 7 1 1 1 1 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	PART NO. FP-6150-21-8000 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-27-8050 FP-6150-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
1	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005		DESCRIPTION
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230		DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6151-21-4161	SIZE	DESCRIPTION





11.0L 674 OHV L6, 4.9213" Bore 124

				11.0L 674 OHV L6, 4.9213" Bore 124
	CYL. HEAD & PARTS			(5)
	GASKETS	PART NO.	SIZE	DESCRIPTION
6	Head Gasket Head Gasket Set	FP-6150-17-1813 FP-6151-K1-9901		
6	Valve Cover Gasket	FP-6150-11-8810		
QTY	PUSH RODS	PART NO.	SIZE	DESCRIPTION
12	Push Rod	FP-6150-41-3111		
	VALVE Valve Keeper	PART NO.	SIZE	DESCRIPTION Int. & Exh.
48 12	Valve, Exhaust	FP-6136-42-4520 FP-6150-41-4210		IIII. & EXII.
12	Valve, Intake	FP-6150-41-4111		
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
12 12	Valve Guide Valve Guide	FP-6150-12-1341 FP-6150-12-1351		Int. Exh.
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
12	Valve Stem Seal	FP-6140-41-4540	OILL	52551III 11511
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
12 12	Valve Seat Valve Seat	FP-6150-11-1320 FP-6151-11-1330		Exh. Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
12	Valve Spring	FP-6150-41-4411	SIZE	Exh.
12	Valve Spring	FP-6150-41-4420		Int.
24 24	Valve Spring Seat Valve Spring Seat	FP-6150-41-4430 FP-6150-41-4510		Lower Upper
	CYLINDER COMPONENTS	0.00 10.10		oppo.
	CONNECTING RODS &			
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6151-31-3040	STD	
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-39-3040 FP-6151-38-3040	.25MM .50MM	
6	Connecting Rod Bearing Pair	FP-6151-37-3040	.75MM	
6	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM	
QTY 6	LINERS Cylinder Kit Complete	<i>PART NO.</i> FP-LK512710	SIZE	DESCRIPTION
6	Liner w/o Sealing Ring	FP-6151-22-2220		
6	O-Ring	FP-6150-21-2230		
6	O-Ring Sealing Ring, Liner	FP-6150-21-2240 FP-6150-21-2250		
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6150-31-2033		
	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin Piston Kit w/Pin & Retainers	FP-6151-31-2710 FP-6151-31-2012		
6	Piston Pin	FP-6151-31-2410		
6 12	Piston Pin Bushing Piston Pin Retainer	FP-6150-31-3130 FP-04065-04818		
12		FF-04005-04616		
OTY	ENGINE BLOCK & PARTS	DARTNO	CIZE	DECODIDETION
7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION
QTY	GASKET SETS	PART NO.	SIZE	DESCRIPTION
1	Conversion Gasket Set	FP-6151-K2-9901		
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
6	Fuel Injector Sleeve	FP-6136-11-1130		
	INT & EXH MANIFOLDS			
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
6	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6150-11-5810 FP-6150-13-4810		
	mano mamora dagnot	. 1 0100-10-4010		



12	5 11.0L 674 OHV L6, 4.9	213" Bore		
	Dumper Tractor S6D125; Build Series 1B8; Eng. Ser. N	Jo 22230-Har Madal HA2	50-1 · Mod	dal Sar No. 60636-Lin
	S6D125; Build Series 1B8; Eng. Ser. N			
	S6D125; Build Series 1B8; Eng. Ser. N			
	S6D125; Build Series 1B8; Eng. Ser. N	No. 22230-Up; Model HA2	70-3; Mod	del Ser. No. 313001-Up
	COOLING SYSTEM			
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6138-11-6810 FP-600-421-6310		
	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1		FP-6151-K6-9902		
	CRANKSHAFT/OIL PUMP			
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6151-35-1010	0175	DECODIDATION
QIY	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6150-21-8000	SIZE	DESCRIPTION
7	Main Bearing, Flanged	FP-6150-21-8010	STD	
7	Main Bearing, Flanged	FP-6150-29-8010	.25MM	
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-28-8010 FP-6150-27-8010	.50MM .75MM	
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM	
1	Thrust Washer Thrust Washer	FP-6150-21-8050	STD	
1	Thrust Washer Thrust Washer	FP-6150-29-8050 FP-6150-28-8050	.25MM .50MM	
1	Thrust Washer	FP-6150-27-8050	.75MM	
1	Thrust Washer	FP-6150-26-8050	1.00MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6151-51-1005	SIZE	DESCRIPTION
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6150-21-3230		
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6151-21-4161	SIZE	DESCRIPTION
-	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
6	Head Gasket	FP-6150-17-1813		
1 6	Head Gasket Set Valve Cover Gasket	FP-6151-K1-9901 FP-6150-11-8810		
	PUSH RODS	PART NO.	SIZE	DESCRIPTION
12		FP-6150-41-3111	0.22	22001 1101.
	VALVE	PART NO.	SIZE	DESCRIPTION
48	Valve Keeper Valve, Exhaust	FP-6136-42-4520 FP-6150-41-4230		Int. & Exh.
12	Valve, Intake	FP-6150-41-4111		
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
12 12	Valve Guide Valve Guide	FP-6150-12-1341 FP-6150-12-1351		Int. Exh.
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
12	Valve Stem Seal	FP-6140-41-4540	SILE	DESCRIPTION
	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
12	Valve Seat	FP-6150-11-1320		Exh.
12 OTV	Valve Seat	FP-6151-11-1330	CITE	Int. DESCRIPTION
12	VALVE SPRING Valve Spring	<i>PART NO.</i> FP-6150-41-4420	SIZE	Int.
12	Valve Spring	FP-6150-41-4450		
12 24	Valve Spring Valve Spring Seat	FP-6150-41-4450 FP-6150-41-4430		Exh. Lower
24		FP-6150-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &	DARTNO	0175	DESCRIPTION
QTY 6	BRGS. Connecting Rod Bearing Pair	<i>PART NO.</i> FP-6151-31-3040	SIZE STD	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6151-39-3040	.25MM	
6	Connecting Rod Bearing Pair	FP-6151-38-3040	.50MM	
6	Connecting Rod Bearing Pair	FP-6151-37-3040	.75MM	



11.0L 674 OHV L6, 4.9213" Bore 125

				(cont.)
	CYLINDER COMPONENTS (cor	nt.)		
	CONNECTING RODS &	,		
	BRGS. (cont.)	PART NO.		DESCRIPTION
6 OTV	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM	DESCRIPTION
6	LINERS Cylinder Kit Complete	<i>PART NO.</i> FP-LK512710	SIZE	DESCRIPTION
6	Liner w/o Sealing Ring	FP-6151-22-2220		
6	O-Ring	FP-6150-21-2230		
6 6	O-Ring Sealing Ring, Liner	FP-6150-21-2240 FP-6150-21-2250		
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6150-31-2033		2200:
	PISTONS	PART NO.	SIZE	DESCRIPTION
6 6	Piston Body w/o Pin Piston Kit w/Pin & Retainers	FP-6151-31-2710 FP-6151-31-2012		
6	Piston Pin	FP-6151-31-2410		
6	Piston Pin Bushing	FP-6150-31-3130		
12	Piston Pin Retainer	FP-04065-04818		
	ENGINE BLOCK & PARTS			
	CAM BEARINGS	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
7 QTY	Camshaft Bearing GASKET SETS	PART NO.	CIZE	DESCRIPTION
1	Conversion Gasket Set	FP-6151-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
•	FUEL SYSTEM & PARTS	11-0130-21-3012		
-	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
6	Fuel Injector Sleeve	FP-6136-11-1130	0.22	22001 110.11
	INT & EXH MANIFOLDS			
QTY	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
6	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6150-11-5810 FP-6150-13-4810		
				11.0L 674 OHV L6, 4.9213" Bore 126
				Dumper Tractor
		SA6D125E; Build Series	3 2G; Eng	. Ser. No. 60721-Up; Model HD255-5; Model Ser. No. 1001-Up
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring Thermostat	FP-6150-22-6490 FP-600-421-6630		
	WATER PUMP	PART NO.	CIZE	DESCRIPTION
1	Water Pump - Heavy Duty	FP-6151-62-1104	SIZE	DESCRIPTION
1	Water Pump Gasket Kit	FP-6155-K6-9900		
	CRANKSHAFT/OIL PUMP			
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1 OTV	Crankshaft	FP-6151-35-1010	0:75	DECORIDEION
QTY 1	MAIN BEARINGS Main Bearing and Thrust Washer	<i>PART NO.</i> FP-6150-21-8000	SIZE	DESCRIPTION
7	Main Bearing, Flanged	FP-6150-21-8010	STD	
7	Main Bearing, Flanged	FP-6150-29-8010	.25MM	
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM	
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-27-8010 FP-6150-26-8010	.75MM 1.00MM	
1	Thrust Washer	FP-6150-21-8050	STD	
1	Thrust Washer	FP-6150-29-8050	.25MM	
1	Thrust Washer Thrust Washer	FP-6150-28-8050 FP-6150-27-8050	.50MM .75MM	
1	Thrust Washer	FP-6150-26-8050	1.00MM	
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005	SIZE	DESCRIPTION
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6150-21-3230		DESCRIPTION
		/**·-·	ed on nex	



12 (cor	26 11.0L 674 OHV L6, 4.921	3" Bore		
	CRANKSHAFT/OIL PUMP (cont.)			
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6151-12-1810 FP-6155-K1-9900 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.
24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570		DESCRIPTION
12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Int. & Exh. Lower Upper
	CYLINDER COMPONENTS			
QTY 6 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040 FP-6151-38-3040 FP-6151-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	
	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	111111111111111111111111111111111111111	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
OTV	ENGINE BLOCK & PARTS CAM BEARINGS	PART NO.	CIZE	DESCRIPTION
7	Camshaft Bearing	FP-6150-21-1490		DESCRIPTION
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6155-K2-9900		DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
OTV	FUEL SYSTEM & PARTS FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
6	Fuel Injector Sleeve	FP-6136-11-1130	SIZE	DESCRIPTION
6	INT & EXH MANIFOLDS INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intele Manifold Cooket	PART NO. FP-6150-11-5810	SIZE	DESCRIPTION
6	Intake Manifold Gasket	FP-6150-13-4810		



11.0L 674 OHV L6, 4.9213" Bore 127 Dumper Tractor

SAA6D125E; Build Series 3G-8W; Eng. Ser. No. 310001-Up; Model HM300-1; Model Ser. No. 1001-Up

	SAA6I	D125E; Build Series 3G-8	BW; Eng. S	Ser. No. 310001-Up; Model HM300-1; Model Ser. No. 1001-Up
	COOLING SYSTEM			
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring	FP-6150-22-6490		
1	Thermostat	FP-600-421-6630		
	WATER PUMP	PART NO.	SIZE	DESCRIPTION
1	Water Pump - Heavy Duty Water Pump Gasket Kit	FP-6154-61-1102		
ı	•	FP-6159-K6-9900		
	CRANKSHAFT/OIL PUMP			
	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION
1	Crankshaft	FP-6151-35-1010		
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
1 7	Main Bearing and Thrust Washer Main Bearing, Flanged	FP-6150-21-8000 FP-6150-21-8010	STD	
7	Main Bearing, Flanged	FP-6150-29-8010	.25MM	
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM	
7	Main Bearing, Flanged	FP-6150-27-8010	.75MM	
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM	
1	Thrust Washer	FP-6150-21-8050	STD	
1	Thrust Washer	FP-6150-29-8050	.25MM	
1	Thrust Washer	FP-6150-28-8050	.50MM	
1	Thrust Washer Thrust Washer	FP-6150-27-8050 FP-6150-26-8050	.75MM 1.00MM	
	OIL PUMP			DESCRIPTION
1	Oil Pump	<i>PART NO.</i> FP-6154-51-1000	SIZE	DESCRIPTION
	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6150-21-3230		
	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION
1	Oil Seal	FP-6151-21-4161		
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
6	Head Gasket	FP-6151-12-1810		
1 6	Head Gasket Set Valve Cover Gasket	FP-6159-K1-9900 FP-6150-11-8810		
			CIZE	DECODIDEION
12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
	VALVE	PART NO.	SIZE	DESCRIPTION
48	Valve Keeper	FP-6136-42-4520	OIZL	Int. & Exh.
12	Valve, Exhaust	FP-6150-42-4210		···· • = ···
12	Valve, Intake	FP-6150-42-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
24	Valve Guide	FP-6150-12-1370		Int. & Exh.
	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
24	Valve Stem Seal	FP-6150-41-4570		
	VALVE SEAT	PART NO.	SIZE	
12	Valve Seat	FP-6150-11-1320		Exh.
12	Valve Seat	FP-6150-12-1380		Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
24	Valve Spring Seet	FP-6150-41-4450 FP-6150-41-4430		Int. & Exh.
24 24	Valve Spring Seat Valve Spring Seat	FP-6150-41-4510		Lower Upper
	CYLINDER COMPONENTS			<u>-</u>
	CONNECTING RODS &			
QTY	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6151-31-3040	STD	
6	Connecting Rod Bearing Pair	FP-6151-39-3040	.25MM	
6	Connecting Rod Bearing Pair	FP-6151-38-3040	.50MM	
6	Connecting Rod Bearing Pair	FP-6151-37-3040	.75MM	
6	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM	
	LINERS	PART NO.	SIZE	DESCRIPTION
6	Cylinder Kit Complete	FP-LK522510		
6	Liner w/o Sealing Ring	FP-6154-21-2220		
6 6	O-Ring O-Ring	FP-6150-21-2230 FP-6150-21-2240		
U	O 1 11119	11-0150-21-2240		



12 (con	7 11.0L 674 OHV L6, 4.92	213" Bore		
	CYLINDER COMPONENTS (con	nt.)		
	LINERS (cont.) Sealing Ring, Liner	PART NO. FP-6150-21-2250	SIZE	DESCRIPTION
QTY	PISTON RINGS	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
	Ring Set, Single Cylinder PISTONS	PART NO.	SIZE	DESCRIPTION
6 6	Piston Body w/o Pin Piston Pin	FP-6152-32-2510 FP-6151-31-2410		
6 12	Piston Pin Bushing Piston Pin Retainer	FP-6150-31-3130 FP-04065-04818		
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6159-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
6 6	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6150-11-5810 FP-6150-13-4810		
12	8 11.0L 674 OHV L6, 4.92	213" Bore		
12	Excavator	LIO DOIC		
	6D125E; Build Series 2; Eng. Ser. No.	10001-Up; Model PW400	MH-6; M	odel Ser. No. A84210-Up
	COOLING SYSTEM			
	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1	O-Ring Thermostat	FP-6150-22-6490 FP-600-421-6630		
QTY 1	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6151-62-1104	SIZE	DESCRIPTION
1	Water Pump Gasket Kit	FP-6155-K6-9900		
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
QTY 1	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6150-21-8000	SIZE	DESCRIPTION
7	Main Bearing, Flanged	FP-6150-21-8010	STD	
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-29-8010 FP-6150-28-8010	.25MM .50MM	
7	Main Bearing, Flanged	FP-6150-27-8010	.75MM	
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM	
1	Thrust Washer Thrust Washer	FP-6150-21-8050	STD .25MM	
1	Thrust Washer Thrust Washer	FP-6150-29-8050 FP-6150-28-8050	.25MM	
1	Thrust Washer	FP-6150-27-8050	.75MM	
1	Thrust Washer	FP-6150-26-8050	1.00MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6151-51-1005	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
	GASKETS	PART NO.	SIZE	DESCRIPTION
6	Head Gasket	FP-6151-12-1810		
1 6	Head Gasket Set Valve Cover Gasket	FP-6154-K1-9900 FP-6150-11-8810		



				11.0L 674 OHV L6, 4.9213" Bore 128 (cont.)
(CYL. HEAD & PARTS (cont.)			
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Int. & Exh. Lower Upper
(CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040 FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6155-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION



129 11.0L 674 OHV L6, 4.9213" Bore Excavator

S6D125; Build Series 1S; Eng. Ser. No. 23689-Up; Model PC300-3; Model Ser. No. 12001-Up

	S6D125; Build Series 1S; Eng. Ser. No. S6D125; Build Series 1S; Eng. Ser. No. S6D125; Build Series 1S; Eng. Ser. No.	23689-Up; Model PC30 23689-Up; Model PC30	0LC-3; M 0LC-3; M	odel Ser. No. 12001-Up odel Ser. No. A14398-Up
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION
QTY 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-61-1121 FP-6151-K6-9902	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing Floraged	PART NO. FP-6150-21-8000		DESCRIPTION
7 7 7 7	Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010	STD .25MM .50MM .75MM	
7 1 1	Main Bearing, Flanged Thrust Washer Thrust Washer	FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050	1.00MM STD .25MM	
1 1 1	Thrust Washer Thrust Washer Thrust Washer	FP-6150-28-8050 FP-6150-27-8050 FP-6150-26-8050	.50MM .75MM 1.00MM	
QTY 1	OIL PUMP Oil Pump	<i>PART NO.</i> FP-6151-51-1005	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-17-1813 FP-6151-K1-9901 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.
QTY 12 12	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	DESCRIPTION Int. Exh.
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4540	SIZE	DESCRIPTION
12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	Exh. Int.
12 12 12 24 24	VALVE SPRING Valve Spring Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4411 FP-6150-41-4420 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Exh. Int. Lower Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040	SIZE STD .25MM .50MM .75MM	DESCRIPTION



11.0L	674	OHV	L6,	4.9213"	Bore	129
						(cont)

				(cont.)
	CYLINDER COMPONENTS (cont	: .)		
QTY 6	CONNECTING RODS & BRGS. (cont.) Connecting Rod Bearing Pair	PART NO. FP-6150-36-3040	SIZE 1.00MM	DESCRIPTION
QTY 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK512171 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6151-31-2171 FP-6151-31-2071 FP-6151-31-2420 FP-6151-31-3230 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6151-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION



130 11.0L 674 OHV L6, 4.9213" Bore Excavator S6D125; Build Series 1S; From Eng. Ser. No. 13137 to 23688; Model PC300-3; Model Ser. No. 12001-Up S6D125; Build Series 1S; From Eng. Ser. No. 13137 to 23688; Model PC300-3; Model Ser. No. A14398-Up S6D125; Build Series 1S; From Eng. Ser. No. 13137 to 23688; Model PC300LC-3; Model Ser. No. 12001-Up S6D125; Build Series 1S; From Eng. Ser. No. 13137 to 23688; Model PC300LC-3; Model Ser. No. A14398-Up S6D125; Build Series 1S; From Eng. Ser. No. 13137 to 23688; Model PC360LC-3; Model Ser. No. 10001-Up S6D125; Build Series 1T; Eng. Ser. No. 26691-Up; Model PC400-3; Model Ser. No. 11001-Up S6D125; Build Series 1T; Eng. Ser. No. 26691-Up; Model PC400LC-3; Model Ser. No. 11001-Up S6D125; Build Series 1T; From Eng. Ser. No. 13444 to 26690; Model PC400-3; Model Ser. No. 11001-Up S6D125; Build Series 1T; From Eng. Ser. No. 13444 to 26690; Model PC400LC-3; Model Ser. No. 11001-Up S6D125; Build Series 1VV; Eng. Ser. No. 47224-Up; Model PC400HD-5K; Model Ser. No. 21001-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400-5; Model Ser. No. 20001-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400-5A; Model Ser. No. 10351-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400-5C; Model Ser. No. 10351-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400-5T; Model Ser. No. 10351-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400LC-5; Model Ser. No. 10351-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400LC-5; Model Ser. No. A20109-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400LC-5A; Model Ser. No. 10351-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400LC-5T; Model Ser. No. 10351-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC400LC-5T; Model Ser. No. A20109-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC410-5; Model Ser. No. 10001-Up S6D125; Build Series 1VV; Eng. Ser. No. 48088-Up; Model PC410LC-5; Model Ser. No. 10001-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400-5; Model Ser. No. 20001-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400-5A; Model Ser. No. 10351-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400-5C; Model Ser. No. 10351-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400-5T; Model Ser. No. 10351-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400LC-5; Model Ser. No. 10351-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400LC-5; Model Ser. No. A20109-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400LC-5A; Model Ser. No. 10351-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400LC-5T; Model Ser. No. 10351-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC400LC-5T; Model Ser. No. A20109-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC410-5; Model Ser. No. 10001-Up S6D125; Build Series 1VV; From Eng. Ser. No. 35323 to 48087; Model PC410LC-5; Model Ser. No. 10001-Up **COOLING SYSTEM** QTY THERMOSTAT PART NO. SIZE DESCRIPTION O-Ring FP-6138-11-6810 Thermostat FP-600-421-6310 QTY WATER PUMP PART NO. SIZE DESCRIPTION FP-6151-K6-9902 1 Water Pump Gasket Kit **CRANKSHAFT/OIL PUMP** QTY CRANKSHAFT PART NO. SIZE DESCRIPTION Crankshaft FP-6151-35-1010 QTY MAIN BEARINGS SIZE DESCRIPTION PART NO. Main Bearing and Thrust Washer FP-6150-21-8000 Main Bearing, Flanged FP-6150-21-8010 STD Main Bearing, Flanged 7 FP-6150-29-8010 .25MM Main Bearing, Flanged FP-6150-28-8010 .50MM Main Bearing, Flanged 7 FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-26-8010 1.00MM Thrust Washer FP-6150-21-8050 1 STD 1 **Thrust Washer** FP-6150-29-8050 .25MM Thrust Washer FP-6150-28-8050 .50MM 1 FP-6150-27-8050 .75MM 1 **Thrust Washer** 1 Thrust Washer FP-6150-26-8050 1.00MM OIL PUMP PART NO. SIZE **DESCRIPTION** Oil Pump FP-6151-51-1005 1 SEALS - FRONT CRANK QTY PART NO. SIZE DESCRIPTION FP-6150-21-3230 1 Oil Seal **QTY SEALS - REAR CRANK** PART NO. SIZE DESCRIPTION Oil Seal FP-6151-21-4161 **CYL. HEAD & PARTS QTY GASKETS** PART NO. SIZE DESCRIPTION Head Gasket FP-6150-17-1813 FP-6151-K1-9901 Head Gasket Set



11.0L 674 OHV L6, 4.9213" Bore 130 CYL. HEAD & PARTS (cont.) QTY GASKETS (cont.) PART NO. SIZE DESCRIPTION Valve Cover Gasket FP-6150-11-8810 **QTY PUSH RODS** PART NO. SIZE DESCRIPTION Push Rod FP-6150-41-3111 12 **DESCRIPTION** QTY VALVE PART NO. SIZE 48 Valve Keeper FP-6136-42-4520 Int. & Exh. Valve, Exhaust FP-6150-41-4210 12 12 Valve, Intake FP-6150-41-4111 QTY VALVE GUIDE PART NO. SIZE **DESCRIPTION** Valve Guide FP-6150-12-1341 12 Int. 12 Valve Guide FP-6150-12-1351 Exh. **QTY VALVE SEAL** PART NO. SIZE DESCRIPTION Valve Stem Seal FP-6140-41-4540 12 QTY VALVE SEAT PART NO. SIZE DESCRIPTION Valve Seat FP-6150-11-1320 Exh. 12 Valve Seat FP-6151-11-1330 Int. QTY VALVE SPRING **DESCRIPTION** PART NO. SIZE FP-6150-41-4411 12 Valve Spring Fxh. 12 Valve Spring FP-6150-41-4420 Int. 24 Valve Spring Seat FP-6150-41-4430 Lower 24 Valve Spring Seat FP-6150-41-4510 Upper CYLINDER COMPONENTS **CONNECTING RODS &** QTY BRGS. PART NO. SIZE **DESCRIPTION** 6 Connecting Rod Bearing Pair FP-6151-31-3040 STD Connecting Rod Bearing Pair FP-6151-39-3040 .25MM 6 Connecting Rod Bearing Pair FP-6151-38-3040 .50MM Connecting Rod Bearing Pair FP-6151-37-3040 .75MM 6 6 Connecting Rod Bearing Pair FP-6151-36-3040 1.00MM QTY LINERS PART NO. SIZE DESCRIPTION Cylinder Kit Complete FP-LK512710 6 Liner w/o Sealing Ring FP-6151-22-2220 6 6 O-Ring FP-6150-21-2230 O-Ring FP-6150-21-2240 6 6 Sealing Ring, Liner FP-6150-21-2250 **QTY PISTON RINGS** PART NO. SIZE DESCRIPTION Ring Set, Single Cylinder 6 FP-6150-31-2033 QTY **PISTONS** PART NO. SIZE DESCRIPTION Piston Body w/o Pin FP-6151-31-2710 6 6 Piston Kit w/Pin & Retainers FP-6151-31-2012 Piston Pin FP-6151-31-2410 6 Piston Pin Bushing 6 FP-6150-31-3130 Piston Pin Retainer FP-04065-04818 **ENGINE BLOCK & PARTS** QTY CAM BEARINGS SIZE DESCRIPTION PART NO. Camshaft Bearing FP-6150-21-1490 7 QTY **GASKET SETS** PART NO. SIZE **DESCRIPTION** Conversion Gasket Set FP-6151-K2-9901 1 **QTY GASKETS** PART NO. **DESCRIPTION** SIZE FP-6150-21-5812 Oil Pan Gasket **FUEL SYSTEM & PARTS QTY FUEL INJECTION** PART NO. SIZE DESCRIPTION Fuel Injector Sleeve FP-6136-11-1130 INT & EXH MANIFOLDS QTY INT. & EXH. MANIFOLDS SIZE DESCRIPTION PART NO. **Exhaust Manifold Gasket** FP-6150-11-5810 Intake Manifold Gasket FP-6150-13-4810



131 11.0L 674 OHV L6, 4.9213" Bore Excavator SA6D125E; Build Series 2; Model PC400HD-6; Model Ser. No. A83001-Up SA6D125E; Build Series 2; Model PC400HD-6LK; From Model Ser. No. A84001 to A85000 SA6D125E; Build Series 2; Model PC400LC-6; Model Ser. No. A83001-Up SA6D125E; Build Series 2; Model PC400LC-6LK; From Model Ser. No. A84001 to A85000 **COOLING SYSTEM** QTY THERMOSTAT PART NO. SIZE DESCRIPTION FP-6150-22-6490 O-Ring Thermostat FP-600-421-6630 QTY **WATER PUMP** PART NO. SIZE DESCRIPTION Water Pump - Heavy Duty FP-6152-61-1102 Water Pump Gasket Kit FP-6155-K6-9900 1 **CRANKSHAFT/OIL PUMP** QTY CRANKSHAFT PART NO. SIZE DESCRIPTION Crankshaft FP-6151-35-1010 QTY MAIN BEARINGS PART NO. **DESCRIPTION** SIZE Main Bearing and Thrust Washer FP-6150-21-8000 FP-6150-21-8010 Main Bearing, Flanged STD 7 Main Bearing, Flanged FP-6150-29-8010 .25MM 7 Main Bearing, Flanged FP-6150-28-8010 .50MM 7 Main Bearing, Flanged FP-6150-27-8010 .75MM 7 Main Bearing, Flanged FP-6150-26-8010 1.00MM Thrust Washer 1 FP-6150-21-8050 STD Thrust Washer FP-6150-29-8050 .25MM 1 Thrust Washer FP-6150-28-8050 .50MM 1 **Thrust Washer** FP-6150-27-8050 .75MM 1 Thrust Washer FP-6150-26-8050 1.00MM QTY OIL PUMP PART NO. SIZE **DESCRIPTION** Oil Pump FP-6151-51-1005 1 **QTY SEALS - FRONT CRANK** PART NO. SIZE DESCRIPTION Oil Seal FP-6150-21-3230 SIZE DESCRIPTION **QTY SEALS - REAR CRANK** PART NO. Oil Seal FP-6151-21-4161 **CYL. HEAD & PARTS** QTY GASKETS PART NO. SIZE DESCRIPTION

6	Head Gasket	FP-6151-12-1810		
1	Head Gasket Set	FP-6155-K1-9900		
6	Valve Cover Gasket	FP-6150-11-8810		
QTY	PUSH RODS	PART NO.	SIZE	DESCRIPTION
12	Push Rod	FP-6150-41-3111		
QTY	VALVE	PART NO.	SIZE	DESCRIPTION
48	Valve Keeper	FP-6136-42-4520		Int. & Exh.
12	Valve, Exhaust	FP-6150-42-4210		
12	Valve, Intake	FP-6150-42-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
24	Valve Guide	FP-6150-12-1370		Int. & Exh.
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION
24	Valve Stem Seal	FP-6150-41-4570		
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
12	Valve Seat	FP-6150-11-1320		Exh.
12	Valve Seat	FP-6150-12-1380		Int.
QTY	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
24	Valve Spring	FP-6150-41-4450		Int. & Exh.
24	Valve Spring Seat	FP-6150-41-4430		Lower
24	Valve Spring Seat	FP-6150-41-4510		Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			

1.00MM (continued on next page)

STD

.25MM

.50MM

.75MM

SIZE DESCRIPTION

PART NO.

FP-6150-31-3040

FP-6150-39-3040

FP-6150-38-3040

FP-6150-37-3040

FP-6150-36-3040

QTY

6

6 6

6

6

BRGS.

Connecting Rod Bearing Pair



	DIESEL®			Komatsu Off Highway
				11.0L 674 OHV L6, 4.9213" Bore 131 (cont.)
	CYLINDER COMPONENTS	(cont.)		
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6154-21-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6155-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
OTV	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
6 6	Exhaust Manifold Gasket Intake Manifold Gasket	FP-6150-11-5810 FP-6150-13-4810		11 01 674 OHV I 6 4 9213" Bore 122
6	Intake Manifold Gasket	FP-6150-13-4810 SA6D125E; Build Series 2A SA6D125E; Build Series 2A	A; Eng. Se	11.0L 674 OHV L6, 4.9213" Bore Excavator er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up
6	Intake Manifold Gasket COOLING SYSTEM	SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A	A; Eng. So A; Eng. So	er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up
6 6	COOLING SYSTEM THERMOSTAT O-Ring	SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A PART NO. FP-6150-22-6490	A; Eng. So A; Eng. So	Excavator er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up
6 6 QTY 1 1	Intake Manifold Gasket COOLING SYSTEM THERMOSTAT	SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A	A; Eng. So A; Eng. So SIZE	Excavator er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up
QTY 1 1 QTY 1	COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty	FP-6150-13-4810 SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104	A; Eng. So A; Eng. So SIZE	er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up DESCRIPTION
QTY 1 1 1 QTY 1 1	COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft	FP-6150-13-4810 SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104 FP-6155-K6-9900 PART NO. FP-6151-35-1010	A; Eng. Si A; Eng. Si SIZE SIZE	Excavator er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up DESCRIPTION DESCRIPTION DESCRIPTION
QTY 1 1 1 1 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1	COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit CRANKSHAFT/OIL PUMP CRANKSHAFT	FP-6150-13-4810 SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104 FP-6155-K6-9900 PART NO.	SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up DESCRIPTION DESCRIPTION
QTY 1 1 1 1 7 7 7 7 7 7 1 1 1 1 1 1 1 1 1	COOLING SYSTEM THERMOSTAT O-Ring Thermostat WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit CRANKSHAFT/OIL PUMP CRANKSHAFT Crankshaft MAIN BEARINGS Main Bearing, Flanged Thrust Washer	FP-6150-13-4810 SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A SA6D125E; Build Series 2A PART NO. FP-6150-22-6490 FP-600-421-6630 PART NO. FP-6151-62-1104 FP-6155-K6-9900 PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-22-8010 FP-6150-28-8010 FP-6150-28-8010 FP-6150-28-8010 FP-6150-28-8010 FP-6150-28-8050 FP-6150-28-8050 FP-6150-28-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-26-8050	SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	er. No. 60721-Up; Model PC400-6; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6C; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up er. No. 60721-Up; Model PC400-6Z; Model Ser. No. 30001-Up DESCRIPTION DESCRIPTION DESCRIPTION

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	132 11.0L 674 OHV L6, 4.9213" Bore (cont.)				
	CYL. HEAD & PARTS				
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6151-12-1810 FP-6154-K1-9900 FP-6150-11-8810	SIZE	DESCRIPTION	
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION	
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION Int. & Exh.	
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.	
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION	
12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	Exh. Int.	
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Int. & Exh. Lower Upper	
	CYLINDER COMPONENTS				
QTY 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040	SIZE STD .25MM	DESCRIPTION	
6 6 6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	.50MM .75MM 1.00MM		
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION	
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION	
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION	
	ENGINE BLOCK & PARTS				
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490		DESCRIPTION	
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6154-K2-9900		DESCRIPTION	
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION	
	FUEL SYSTEM & PARTS				
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION	
	INT & EXH MANIFOLDS				
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION	



11.0L 674 OHV L6, 4.9213" Bore 133

Excavator

SA6D125E; Build Series 2A-C; Eng. Ser. No. 60721-Up; Model PC450-6K-KE; Model Ser. No. 32106-Up SA6D125E; Build Series 2A-C; Eng. Ser. No. 60721-Up; Model PC450LC-6K-KE; Model Ser. No. 32106-Up SA6D125E; Build Series 2A-KU; Eng. Ser. No. 60721-Up; Model PC450-6K-J; Model Ser. No. 10001-Up SA6D125E; Build Series 2A-KU; Eng. Ser. No. 60721-Up; Model PC450LC-6K-J; Model Ser. No. 10001-Up SA6D125E; Build Series 2A; Eng. Ser. No. 60721-Up; Model PC400LC-6; Model Ser. No. 30001-Up SA6D125E; Build Series 2A; Eng. Ser. No. 60721-Up; Model PC450-6-A1; Model Ser. No. 30001-Up SA6D125E; Build Series 2A; Eng. Ser. No. 60721-Up; Model PC450-6-A1; Model Ser. No. 10001-Up SA6D125E; Build Series 2A; Eng. Ser. No. 60721-Up; Model PC450-6-A1; Model Ser. No. 10001-Up SA6D125E; Build Series 2A; Eng. Ser. No. 60721-Up; Model PC450-6-A1; Model Ser. No. 10001-Up SA6D125E; Build Series 2A; Eng. Ser. No. 60721-Up; Model PC450-6-A1; Model Ser. No. 10001-Up

	SA6D125E;	Build Series 2A; Eng. S	er. No. 60	0721-Up; Model PC450LC-6-A1; Model Ser. No. 10001-Up
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6150-22-6490 FP-600-421-6630	SIZE	DESCRIPTION
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-62-1104 FP-6155-K6-9900	SIZE	DESCRIPTION
1	CRANKSHAFT/OIL PUMP			
1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
1 7 7 7	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged	PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-28-8010	SIZE STD .25MM .50MM	DESCRIPTION
7 7 1 1 1	Main Bearing, Flanged Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050	.75MM 1.00MM STD .25MM .50MM .75MM	
1 QTY 1	Thrust Washer OIL PUMP Oil Pump	FP-6150-26-8050 PART NO. FP-6151-51-1005	1.00MM SIZE	DESCRIPTION
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6151-12-1810 FP-6155-K1-9900 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION
12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Int. & Exh. Lower Upper
	CYLINDER COMPONENTS			
QTY 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040	SIZE STD .25MM	DESCRIPTION



	133 11.0L 674 OHV L6, 4.9213" Bore (cont.)							
	CYLINDER COMPONENTS (cont.)							
	CONNECTING RODS & BRGS. (cont.) Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	SIZE .50MM .75MM 1.00MM	DESCRIPTION				
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION				
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION				
6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION				
	ENGINE BLOCK & PARTS							
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490		DESCRIPTION				
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6155-K2-9900	SIZE	DESCRIPTION				
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION				
	FUEL SYSTEM & PARTS							
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION				
	INT & EXH MANIFOLDS							
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION				
13	34 11.0L 674 OHV L6, 4.921 Excavator SAA6D125E; Build Series 2D; Eng. Ser.		PC400-6-	-T2; Model Ser. No. 30001-Up				
	COOLING SYSTEM							
1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6150-22-6490 FP-600-421-6630	SIZE	DESCRIPTION				
QTY 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-62-1104 FP-6155-K6-9900	SIZE	DESCRIPTION				
	CRANKSHAFT/OIL PUMP							
1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010		DESCRIPTION				
1 7 7 7 7 7 1 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer Thrust Washer	PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-26-8050 PART NO.	STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION				
1	Oil Pump	FP-6151-51-1005	JIZE	DECOMIN TION				





11.0L 674 OHV L6, 4.9213" Bore 134

				11.0L 674 OHV L6, 4.9213" Bore 134
	CRANKSHAFT/OIL PUMP (cont.)			(33.1.4)
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION
6	Head Gasket	FP-6151-12-1810		
6	Valve Cover Gasket	FP-6150-11-8810	0.75	PEOPLETION
12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
	VALVE	PART NO.	SIZE	
48 12	Valve Keeper Valve, Exhaust	FP-6136-42-4520 FP-6150-42-4210		Int. & Exh.
12	Valve, Intake	FP-6150-42-4110		
QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
24	Valve Guide	FP-6150-12-1370		Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION
12	Valve Seat	FP-6150-11-1320	OIZL	Exh.
12	Valve Seat	FP-6151-11-1330		Int.
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION
24	Valve Spring Seet	FP-6150-41-4450		Int. & Exh.
24 24	Valve Spring Seat Valve Spring Seat	FP-6150-41-4430 FP-6150-41-4510		Lower Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS &			
	BRGS.	PART NO.	SIZE	DESCRIPTION
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-31-3040 FP-6151-39-3040	STD .25MM	
6	Connecting Rod Bearing Pair	FP-6151-38-3040	.50MM	
6	Connecting Rod Bearing Pair	FP-6151-37-3040	.75MM	
6	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM	
QTY 6	LINERS Cylinder Kit Complete	<i>PART NO.</i> FP-LK522510	SIZE	DESCRIPTION
6	Liner w/o Sealing Ring	FP-6151-22-2220		
6	O-Ring	FP-6150-21-2230		
6	O-Ring Sealing Ring, Liner	FP-6150-21-2240 FP-6150-21-2250		
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION
6	Ring Set, Single Cylinder	FP-6150-32-2030	SIZL	DESCRIPTION
	PISTONS	PART NO.	SIZE	DESCRIPTION
6	Piston Body w/o Pin Piston Pin	FP-6152-32-2510 FP-6151-31-2410		
6	Piston Pin Bushing	FP-6150-31-3130		
12	Piston Pin Retainer	FP-04065-04818		
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6154-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION
6	Fuel Injector Sleeve INT & EXH MANIFOLDS	FP-6136-11-1130		
OTV	INT. & EXH. MANIFOLDS	DART NO	CIZE	DESCRIPTION
6 6	Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
	I .			



135 11.0L 674 OHV L6, 4.9213" Bore

Excavator

SAA6D125E; Build Series 2D; Eng. Ser. No. 210001-Up; Model PC400LC-6-T2; Model Ser. No. 30001-Up SAA6D125E; Build Series 2D; Eng. Ser. No. 210001-Up; Model PC450-6-T2; Model Ser. No. 10001-Up SAA6D125E; Build Series 2D; Eng. Ser. No. 210001-Up; Model PC450LC-6-T2; Model Ser. No. 10001-Up

	SAA6D125E; Build Series 2D; Eng. Ser.	No. 210001-Up; Model	PC450LC	-6-12; Model Ser. No. 10001-Up					
	COOLING SYSTEM								
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6150-22-6490 FP-600-421-6630	SIZE	DESCRIPTION					
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-62-1104 FP-6155-K6-9900	SIZE	DESCRIPTION					
	CRANKSHAFT/OIL PUMP								
QTY	CRANKSHAFT	PART NO.	SIZE	DESCRIPTION					
1	Crankshaft	FP-6151-35-1010							
1	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6150-21-8000		DESCRIPTION					
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010	STD .25MM						
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM						
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-27-8010 FP-6150-26-8010	.75MM 1.00MM						
1	Thrust Washer	FP-6150-21-8050	STD						
1	Thrust Washer	FP-6150-29-8050	.25MM						
1	Thrust Washer Thrust Washer	FP-6150-28-8050 FP-6150-27-8050	.50MM .75MM						
1	Thrust Washer	FP-6150-26-8050	1.00MM						
QTY 1	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005	SIZE	DESCRIPTION					
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION					
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION					
	CYL. HEAD & PARTS								
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION					
6	Head Gasket Head Gasket Set	FP-6151-12-1810							
6	Valve Cover Gasket	FP-6155-K1-9900 FP-6150-11-8810							
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION					
	VALVE	PART NO.	SIZE	DESCRIPTION					
48 12	Valve Keeper Valve, Exhaust	FP-6136-42-4520 FP-6150-42-4210		Int. & Exh.					
12	Valve, Intake	FP-6150-42-4110							
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.					
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION					
—	VALVE SEAT	PART NO.	SIZE	DESCRIPTION					
12 12	Valve Seat Valve Seat	FP-6150-11-1320 FP-6151-11-1330		Exh. Int.					
	VALVE SPRING	PART NO.	SIZE	DESCRIPTION					
24 24	Valve Spring Valve Spring Seat	FP-6150-41-4450 FP-6150-41-4430		Int. & Exh. Lower					
24	, 0	FP-6150-41-4510		Upper					
	CYLINDER COMPONENTS								
	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION					
6	Connecting Rod Bearing Pair	FP-6151-31-3040	STD						
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-39-3040 FP-6151-38-3040	.25MM .50MM						
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-36-3040 FP-6151-37-3040	.75MM						
6	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM						
QTY 6	LINERS Cylinder Kit Complete	PART NO. FP-LK522510	SIZE	DESCRIPTION					
	(continued on next page)								



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				11.0L 674 OHV L6, 4.9213" Bore 135 (cont.)
	CYLINDER COMPONENTS	(cont.)		
QTY 6 6 6 6	LINERS (cont.) Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6155-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
L	INT & EXH MANIFOLDS			
	INT. & EXH. MANIFOLDS	PART NO.	SIZE	DESCRIPTION
6	Exhaust Manifold Gasket	FP-6150-11-5810		
6	Intake Manifold Gasket	FP-6150-13-4810		
		6D125; Build Series 1AB; Eng 6D125; Build Series 1N; Eng. 6D125; Build Series 1Q; Eng. 6D125; Build Series 1Q; Eng. 6D125; Build Series 1R; Eng. 6D125; Build Series 1Y; Eng.	g. Ser. N Ser. No Ser. No Ser. No Ser. No Ser. No	No. 47990-Up; Model GD625A-1C; Model Ser. No. 60001-Up o. 10276-Up; Model GD625A-1C; Model Ser. No. 60001-Up . 10001-Up; Model GD600R-3; Model Ser. No. 14001-Up . 10001-Up; Model GD605A-3; Model Ser. No. 54001-Up . 10001-Up; Model GD605A-3US; Model Ser. No. 57001-Up . 10001-Up; Model GD655A-3; Model Ser. No. 64001-Up . 10276-Up; Model GD625A-1; Model Ser. No. 50001-Up . 19761-Up; Model GD623A-1; Model Ser. No. 30001-Up
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	<i>PART NO.</i> FP-6150-61-1105 FP-6150-K6-9901	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	<i>PART NO.</i> FP-6151-35-1010	SIZE	DESCRIPTION
1 7 7 7 7 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer	FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050	STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM	DESCRIPTION
1	Oil Pump	FP-6150-51-1004	UILE	DECOMM NON
	•	(continued		



136 11.0L 674 OHV L6, 4.9213" Bore					
CRANKSHAFT/OIL PUMP (cont.)					
SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION		
SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION		
CYL. HEAD & PARTS					
GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-17-1813 FP-6150-K1-9901 FP-6150-11-8810	SIZE	DESCRIPTION		
PUSH RODS Push Rod	PART NO. FP-6151-41-3111	SIZE	DESCRIPTION		
VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.		
VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	DESCRIPTION Int. Exh.		
VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4540	SIZE	DESCRIPTION		
VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	Exh. Int.		
VALVE SPRING Valve Spring	PART NO. FP-6150-41-4411	SIZE			
Valve Spring Seat	FP-6150-41-4510		Lower Upper		
BRGS. Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040 FP-6150-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM) 1 1 1		
LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK502112 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION		
PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION		
PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6150-31-2112 FP-6150-31-2012 FP-6150-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION		
ENGINE BLOCK & PARTS					
CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION		
GASKET SETS Conversion Gasket Set	PART NO. FP-6150-K2-9901	SIZE	DESCRIPTION		
GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION		
FUEL SYSTEM & PARTS FUEL INJECTION	PART NO.		DESCRIPTION		
	CRANKSHAFT/OIL PUMP (cont.) SEALS - FRONT CRANK Oil Seal SEALS - REAR CRANK Oil Seal CYL. HEAD & PARTS GASKETS Head Gasket Head Gasket Set Valve Cover Gasket PUSH RODS PUSH RODS PUSH RODS PUSH RODS VALVE Valve Keeper Valve, Exhaust Valve, Exhaust Valve Guide Valve Guide Valve Seat Valve Seat Valve Seat Valve Seat Valve Spring Valve Spring Valve Spring Valve Spring Seat Valve Spring Seat Valve Spring Seat Valve Spring Seat Valve Spring Abearing Pair Connecting Rod Bearing Pair Connecting Rod Beari	CRANKSHAFT/OIL PUMP (cont.)	CRANKSHAFT/OIL PUMP (cont.) SEALS - FRONT CRANK Oil Seal FP-6150-21-3230 SEALS - REAR CRANK Oil Seal FP-6150-21-3230 SEALS - REAR CRANK Oil Seal FP-6150-12-1-4161 CYL. HEAD & PARTS GASKETS PART NO. Head Gasket FP-6150-17-1813 Head Gasket FP-6150-17-1810 PUSH RODS PART NO. PUSH RODS PART NO. PUSH RODS PART NO. VALVE SEAL PR-6150-14-1311 VALVE GUIDE PART NO. VALVE GUIDE PART NO. VALVE SEAL PART NO. VALVE SEAL PART NO. VALVE SEAL PART NO. VALVE SEAT PART NO. VALVE SPRING PA		



11.0L 674 OHV L6, 4.9213" Bore	136 (cont.)

				11.0L 674 OHV L6, 4.9213" Bore 136 (cont.)
	INT & EXH MANIFOLDS			(cont.)
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
		SSD125: Build Sorios 10: Er	na Sar N	11.0L 674 OHV L6, 4.9213" Bore Grader No. 10001-Up; Model GD705A-4R; Model Ser. No. 21001-Up
		S6D125; Build Series 1D-AR	i; Eng. S	er. No. 10001-Up; Model GD705A-4; Model Ser. No. 21001-Up No. 10001-Up; Model GD725A-1; Model Ser. No. 50001-Up
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310	SIZE	DESCRIPTION
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-61-1122 FP-6151-K6-9902	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PUMP			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
QTY 1 7 7 7 7 1 1 1 1 1	MAIN BEARINGS Main Bearing and Thrust Washer Main Bearing, Flanged Thrust Washer Thrust Washer Thrust Washer Thrust Washer Thrust Washer	PART NO. FP-6150-21-8000 FP-6150-21-8010 FP-6150-29-8010 FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-27-8050 FP-6150-26-8050	SIZE STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005	SIZE	DESCRIPTION
QTY 1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	<i>PART NO.</i> FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6150-17-1813 FP-6151-K1-9901 FP-6150-11-8810	SIZE	DESCRIPTION
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-41-4210 FP-6150-41-4111	SIZE	DESCRIPTION Int. & Exh.
QTY 12 12	VALVE GUIDE Valve Guide Valve Guide	PART NO. FP-6150-12-1341 FP-6150-12-1351	SIZE	DESCRIPTION Int. Exh.
QTY 12	VALVE SEAL Valve Stem Seal	PART NO. FP-6140-41-4540	SIZE	DESCRIPTION
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6151-11-1330	SIZE	DESCRIPTION Exh. Int.
12 12 12 24 24	VALVE SPRING Valve Spring Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4411 FP-6150-41-4420 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Exh. Int. Lower Upper



_	137 11.0L 674 OHV L6, 4.9213" Bore (cont.)					
	CYLINDER COMPONENTS					
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040 FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION		
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK512710 FP-6151-22-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION		
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-31-2033	SIZE	DESCRIPTION		
QTY 6 6 6 6 12	PISTONS Piston Body w/o Pin Piston Kit w/Pin & Retainers Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6151-31-2710 FP-6151-31-2012 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION		
	ENGINE BLOCK & PARTS					
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION		
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6151-K2-9901	SIZE	DESCRIPTION		
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION		
	FUEL SYSTEM & PARTS					
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION		
	INT & EXH MANIFOLDS					
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION		
138 11.0L 674 OHV L6, 4.9213" Bore Wheel Loader S6D125; Build Series 1AJ-S; Eng. Ser. No. 51975-Up; Model WA450-3LL; Model Ser. No. 50305-Up S6D125; Build Series 1AM; Eng. Ser. No. 51975-Up; Model WA450-3L; Model Ser. No. 53001-Up S6D125; Build Series 1AM; Eng. Ser. No. 51975-Up; Model WA470-3; Model Ser. No. 53001-Up S6D125; Build Series 1AM; Eng. Ser. No. 51975-Up; Model WA470-3X; From Model Ser. No. 50001 to 52999 S6D125; Build Series 1JJ; Eng. Ser. No. 11574-Up; Model WA450-1; Model Ser. No. 10001-Up S6D125; Build Series 1JJ; Eng. Ser. No. 11574-Up; Model WA450-1; Model Ser. No. A20038-Up S6D125; Build Series 1JJ; Eng. Ser. No. 11574-Up; Model WA450-1A; Model Ser. No. 10001-Up S6D125; Build Series 1JJ; Eng. Ser. No. 11574-Up; Model WA450-1A; Model Ser. No. A20038-Up S6D125; Build Series 1M; Eng. Ser. No. 26570-Up; Model WA470-1; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1A; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1A; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1A; Model Ser. No. 10001-Up S6D125; Build Series 1M; Eng. Ser. No. 11574-Up; Model WA450-1A; Model Ser. No. 10001-Up						
	COOLING SYSTEM					
1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6138-11-6810 FP-600-421-6310		DESCRIPTION		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6151-61-1122 FP-6151-K6-9902	SIZE	DESCRIPTION		



11.0L 674 OHV L6, 4.9213" Bore 138

				(cont.)				
	CRANKSHAFT/OIL PUMP							
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION				
	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION				
7	Main Bearing and Thrust Washer	FP-6150-21-8000	STD					
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010	.25MM					
7	Main Bearing, Flanged	FP-6150-28-8010	.50MM					
7	Main Bearing, Flanged	FP-6150-27-8010	.75MM					
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM					
1	Thrust Washer	FP-6150-21-8050	STD					
1	Thrust Washer Thrust Washer	FP-6150-29-8050 FP-6150-28-8050	.25MM .50MM					
Ιi	Thrust Washer	FP-6150-27-8050	.75MM					
1	Thrust Washer	FP-6150-26-8050	1.00MM					
QTY	OIL PUMP	PART NO.	SIZE	DESCRIPTION				
1	Oil Pump	FP-6151-51-1005						
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION				
1	Oil Seal	FP-6150-21-3230						
QTY	SEALS - REAR CRANK	PART NO.	SIZE	DESCRIPTION				
1	Oil Seal	FP-6151-21-4150						
	CYL. HEAD & PARTS							
	GASKETS	PART NO.	SIZE	DESCRIPTION				
6	Head Gasket	FP-6150-17-1813						
6	Head Gasket Set Valve Cover Gasket	FP-6151-K1-9901 FP-6150-11-8810						
	PUSH RODS	PART NO.	SIZE	DESCRIPTION				
12	Push Rod	FP-6150-41-3111	SIZE	DESCRIPTION				
	VALVE	PART NO.	SIZE					
48	Valve Keeper	FP-6136-42-4520		Int. & Exh.				
12 12	Valve, Exhaust Valve, Intake	FP-6150-41-4210 FP-6150-41-4111						
	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION				
12	Valve Guide	FP-6150-12-1341	SIZE	Int.				
12	Valve Guide	FP-6150-12-1351		Exh.				
QTY	VALVE SEAL	PART NO.	SIZE	DESCRIPTION				
12	Valve Stem Seal	FP-6140-41-4540						
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION				
12	Valve Seat	FP-6150-11-1320		Exh.				
12	Valve Seat	FP-6151-11-1330		Int.				
	VALVE SPRING	PART NO.	SIZE					
12	Valve Spring	FP-6150-41-4411		Exh.				
12 24	Valve Spring Valve Spring Seat	FP-6150-41-4420 FP-6150-41-4430		Int. Lower				
24	Valve Spring Seat Valve Spring Seat	FP-6150-41-4510		Upper				
	CYLINDER COMPONENTS							
ОТУ	CONNECTING RODS & BRGS.	PART NO.	SIZE	DESCRIPTION				
6	Connecting Rod Bearing Pair	FP-6151-31-3040	STD					
6	Connecting Rod Bearing Pair	FP-6151-39-3040	.25MM					
6	Connecting Rod Bearing Pair	FP-6151-38-3040	.50MM					
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-37-3040 FP-6151-36-3040	.75MM 1.00MM					
	LINERS	PART NO.	SIZE	DESCRIPTION				
6	Cylinder Kit Complete	FP-LK512710						
6	Liner w/o Sealing Ring	FP-6151-22-2220						
6	O-Ring O-Ring	FP-6150-21-2230						
6	Sealing Ring, Liner	FP-6150-21-2240 FP-6150-21-2250						
	PISTON RINGS	PART NO.	QI7E	DESCRIPTION				
6	Ring Set, Single Cylinder	FP-6150-31-2033	SIZE	DESCRIPTION				
	PISTONS	PART NO.	SIZE	DESCRIPTION				
6	Piston Body w/o Pin	FP-6151-31-2710	JIZE	DECOMM HOM				
6	Piston Kit w/Pin & Retainers	FP-6151-31-2012						
		(aantin	ed on nex	ut mana)				



	138 11.0L 674 OHV L6, 4.9213" Bore (cont.)							
	CYLINDER COMPONENTS (cont.)							
	PISTONS (cont.) Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION				
	ENGINE BLOCK & PARTS							
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION				
QTY 1	GASKET SETS Conversion Gasket Set	PART NO. FP-6151-K2-9901	SIZE	DESCRIPTION				
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION				
	FUEL SYSTEM & PARTS							
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION				
	INT & EXH MANIFOLDS							
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION				
	39 11.0L 674 OHV L6, 4.92 Wheel Loader SA6D125E; Build Series 2; Model WA45 SA6D125E; Build Series 2; Model WA47	0-3 Avance Plus; Mode						
	THERMOSTAT	DART NO	CIZE	DESCRIPTION				
1	O-Ring Thermostat	PART NO. FP-6150-22-6490 FP-600-421-6630	SIZE	DESCRIPTION				
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	PART NO. FP-6152-61-1102 FP-6155-K6-9900	SIZE	DESCRIPTION				
	CRANKSHAFT/OIL PUMP							
1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010		DESCRIPTION				
1 7 7 7 7 7 1 1 1 1	Main Bearing, Flanged Main Bearing, Flanged Main Bearing, Flanged Thrust Washer	PART NO. FP-6150-21-8000 FP-6150-29-8010 FP-6150-28-8010 FP-6150-27-8010 FP-6150-26-8010 FP-6150-21-8050 FP-6150-29-8050 FP-6150-28-8050 FP-6150-27-8050 FP-6150-27-8050 FP-6150-26-8050	STD .25MM .50MM .75MM 1.00MM STD .25MM .50MM .75MM 1.00MM	DESCRIPTION				
1	OIL PUMP Oil Pump	PART NO. FP-6151-51-1005	SIZE	DESCRIPTION				
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION				
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION				
	CYL. HEAD & PARTS							
6 1 6	GASKETS Head Gasket Head Gasket Set Valve Cover Gasket	PART NO. FP-6151-12-1810 FP-6155-K1-9900 FP-6150-11-8810	SIZE	DESCRIPTION				
12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111		DESCRIPTION				
QTY 48	VALVE Valve Keeper	PART NO. FP-6136-42-4520	SIZE	DESCRIPTION Int. & Exh.				



V	DIESEL®			Komatsu Off Highway
				11.0L 674 OHV L6, 4.9213" Bore 139 (cont.)
	CYL. HEAD & PARTS (c	ont.)		
QTY 12 12	VALVE (cont.) Valve, Exhaust Valve, Intake	PART NO. FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION
	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	<i>PART NO.</i> FP-6150-41-4570	SIZE	DESCRIPTION
12	VALVE SEAT Valve Seat	PART NO. FP-6150-11-1320	SIZE	Exh.
12 QTY 24	Valve Seat VALVE SPRING Valve Spring	FP-6150-12-1380 PART NO. FP-6150-41-4450	SIZE	Int. DESCRIPTION Int. & Exh.
24 24	Valve Spring Seat	FP-6150-41-4430 FP-6150-41-4510		Lower Upper
	CYLINDER COMPONEN	ITS		
OTV	CONNECTING RODS & BRGS.	DARTNO	CIZE	DECODIDETION
6 6 6 6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair Connecting Rod Bearing Pair	PART NO. FP-6150-31-3040 FP-6150-39-3040 FP-6150-38-3040 FP-6150-37-3040	SIZE STD .25MM .50MM .75MM	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6150-36-3040	1.00MM	
QTY 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6154-21-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PAR	TS		
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6155-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	<i>PART NO.</i> FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PART	S		
QTY 6	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
<u> </u>	mano marinola dasnet	11-0100-10-4010		11.0L 674 OHV L6, 4.9213" Bore 140
	\$	SA6D125E; Build Series 2C-L; Eng.	Ser. No	Wheel Loader . 60721-Up; Model WA450-3; Model Ser. No. 53001-Up . 60721-Up; Model WA450L-3; Model Ser. No. 53001-Up lo. 85399-Up; Model WA450-3A-TW; Model Ser. No. 53001-Up
	COOLING SYSTEM			
QTY 1 1	THERMOSTAT O-Ring Thermostat	PART NO. FP-6150-22-6490 FP-600-421-6630	SIZE	DESCRIPTION
	WATER PUMP Water Pump - Heavy Duty	PART NO. FP-6151-62-1104	SIZE	DESCRIPTION
		(continuo		



	140 11.0L 674 OHV L6, 4.9213" Bore (cont.)					
	COOLING SYSTEM (cont.)					
QTY 1	WATER PUMP (cont.) Water Pump Gasket Kit	PART NO. FP-6155-K6-9900	SIZE	DESCRIPTION		
	CRANKSHAFT/OIL PUMP					
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION		
1	MAIN BEARINGS Main Bearing and Thrust Washer	PART NO. FP-6150-21-8000		DESCRIPTION		
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-21-8010 FP-6150-29-8010	STD .25MM			
7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-28-8010 FP-6150-27-8010	.50MM .75MM			
7	Main Bearing, Flanged	FP-6150-26-8010	1.00MM			
1	Thrust Washer	FP-6150-21-8050	STD			
1	Thrust Washer	FP-6150-29-8050	.25MM			
1	Thrust Washer	FP-6150-28-8050	.50MM			
1	Thrust Washer Thrust Washer	FP-6150-27-8050 FP-6150-26-8050	.75MM 1.00MM			
	OIL PUMP	PART NO.	SIZE	DESCRIPTION		
1	Oil Pump	FP-6151-51-1005	JIZE	DECOMM HON		
QTY	SEALS - FRONT CRANK	PART NO.	SIZE	DESCRIPTION		
1	Oil Seal	FP-6150-21-3230				
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION		
	CYL. HEAD & PARTS					
	GASKETS	PART NO.	SIZE	DESCRIPTION		
6	Head Gasket Head Gasket Set	FP-6151-12-1810 FP-6155-K1-9900				
6	Valve Cover Gasket	FP-6150-11-8810				
	PUSH RODS	PART NO.	SIZE	DESCRIPTION		
12	Push Rod	FP-6150-41-3111				
QTY	VALVE	PART NO.	SIZE	DESCRIPTION		
48	Valve Keeper	FP-6136-42-4520		Int. & Exh.		
12	Valve, Exhaust	FP-6150-42-4210				
12	Valve, Intake	FP-6150-42-4110	0175	DECODIDATION		
Q1Y 24	VALVE GUIDE Valve Guide	<i>PART NO.</i> FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.		
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION		
QTY	VALVE SEAT	PART NO.	SIZE	DESCRIPTION		
12	Valve Seat	FP-6150-11-1320		Exh.		
12	Valve Seat	FP-6151-11-1330		Int.		
	VALVE SPRING	PART NO.	SIZE			
24 24	Valve Spring Valve Spring Seat	FP-6150-41-4450 FP-6150-41-4430		Int. & Exh. Lower		
24	Valve Spring Seat	FP-6150-41-4510		Upper		
	CYLINDER COMPONENTS					
	CONNECTING RODS &	D.4.D.T. ***	<u> </u>	DECORPTION		
	BRGS.	PART NO.		DESCRIPTION		
6	Connecting Rod Bearing Pair Connecting Rod Bearing Pair	FP-6151-31-3040 FP-6151-39-3040	STD .25MM			
6	Connecting Rod Bearing Pair	FP-6151-38-3040	.50MM			
6	Connecting Rod Bearing Pair	FP-6151-37-3040	.75MM			
6	Connecting Rod Bearing Pair	FP-6151-36-3040	1.00MM			
QTY	LINERS	PART NO.	SIZE	DESCRIPTION		
6	Cylinder Kit Complete	FP-LK522510				
6	Liner w/o Sealing Ring	FP-6151-22-2220				
6	O-Ring	FP-6150-21-2230				
6	O-Ring Sealing Ring, Liner	FP-6150-21-2240 FP-6150-21-2250				
	PISTON RINGS	PART NO.	SIZE	DESCRIPTION		
6	Ring Set, Single Cylinder	FP-6150-32-2030	JIZE	DECOMI HON		



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F 7	DIESEL®			Komatsu Off Highway
				11.0L 674 OHV L6, 4.9213" Bore 140 (cont.)
	CYLINDER COMPONE	NTS (cont.)		
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PA	RTS		
QTY 7	CAM BEARINGS Camshaft Bearing	<i>PART NO.</i> FP-6150-21-1490	SIZE	DESCRIPTION
QTY 1	GASKET SETS Conversion Gasket Set	<i>PART NO.</i> FP-6155-K2-9900	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PAR	TS		
QTY 6	FUEL INJECTION Fuel Injector Sleeve	<i>PART NO.</i> FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLD	S		
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	<i>PART NO.</i> FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION
				11.0L 674 OHV L6, 4.9213" Bore 141
	COOLING SYSTEM	SAA6D125E; Build Series 3B-W; E	ng. Ser.	No. 310001-Up; Model WA470-5-W; Model Ser. No. 70001-Up No. 310001-Up; Model WA480-5-W; Model Ser. No. 80001-Up
QTY	THERMOSTAT	PART NO.	SIZE	DESCRIPTION
1 1	O-Ring Thermostat	FP-6150-22-6490 FP-600-421-6630		
QTY 1 1	WATER PUMP Water Pump - Heavy Duty Water Pump Gasket Kit	<i>PART NO.</i> FP-6154-61-1102 FP-6159-K6-9900	SIZE	DESCRIPTION
	CRANKSHAFT/OIL PU			
QTY 1	CRANKSHAFT Crankshaft	PART NO. FP-6151-35-1010	SIZE	DESCRIPTION
QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
7	Main Bearing and Thrust Wa Main Bearing, Flanged	sher FP-6150-21-8000 FP-6150-21-8010	STD	
7 7	Main Bearing, Flanged Main Bearing, Flanged	FP-6150-29-8010 FP-6150-28-8010	.25MM .50MM	
7	Main Bearing, Flanged	FP-6150-27-8010	.75MM	
7 1	Main Bearing, Flanged Thrust Washer	FP-6150-26-8010 FP-6150-21-8050	1.00MM STD	
1	Thrust Washer	FP-6150-21-6050 FP-6150-29-8050	.25MM	
1	Thrust Washer	FP-6150-28-8050	.50MM	
1	Thrust Washer Thrust Washer	FP-6150-27-8050 FP-6150-26-8050	.75MM 1.00MM	
	OIL PUMP Oil Pump	PART NO. FP-6154-51-1000	SIZE	DESCRIPTION
	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6150-21-3230	SIZE	DESCRIPTION
•	SEALS - REAR CRANK Oil Seal	PART NO. FP-6151-21-4161	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
	GASKETS	PART NO.	SIZE	DESCRIPTION
6 1 6	Head Gasket Head Gasket Set Valve Cover Gasket	FP-6151-12-1810 FP-6159-K1-9900 FP-6150-11-8810		
	1	(continue)	d a.aa.a	4 mana)



14 (con	1 11.0L 674 OHV L6, 4.92 at.)	13" Bore		
	CYL. HEAD & PARTS (cont.)			
QTY 12	PUSH RODS Push Rod	PART NO. FP-6150-41-3111	SIZE	DESCRIPTION
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6136-42-4520 FP-6150-42-4210 FP-6150-42-4110	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6150-12-1370	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6150-41-4570	SIZE	DESCRIPTION
QTY 12 12	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6150-11-1320 FP-6150-12-1380	SIZE	DESCRIPTION Exh. Int.
24 24 24 24	VALVE SPRING Valve Spring Valve Spring Seat Valve Spring Seat	PART NO. FP-6150-41-4450 FP-6150-41-4430 FP-6150-41-4510	SIZE	DESCRIPTION Int. & Exh. Lower Upper
	CYLINDER COMPONENTS			
	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6151-31-3040 FP-6151-39-3040 FP-6151-38-3040 FP-6151-37-3040 FP-6151-36-3040	SIZE STD .25MM .50MM .75MM 1.00MM	DESCRIPTION
QTY 6 6 6 6 6	LINERS Cylinder Kit Complete Liner w/o Sealing Ring O-Ring O-Ring Sealing Ring, Liner	PART NO. FP-LK522510 FP-6154-21-2220 FP-6150-21-2230 FP-6150-21-2240 FP-6150-21-2250	SIZE	DESCRIPTION
QTY 6	PISTON RINGS Ring Set, Single Cylinder	PART NO. FP-6150-32-2030	SIZE	DESCRIPTION
QTY 6 6 6 12	PISTONS Piston Body w/o Pin Piston Pin Piston Pin Bushing Piston Pin Retainer	PART NO. FP-6152-32-2510 FP-6151-31-2410 FP-6150-31-3130 FP-04065-04818	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6150-21-1490		DESCRIPTION
1	GASKET SETS Conversion Gasket Set	PART NO. FP-6159-K2-9900		DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6150-21-5812	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Sleeve	PART NO. FP-6136-11-1130	SIZE	DESCRIPTION
	INT & EXH MANIFOLDS			
QTY 6 6	INT. & EXH. MANIFOLDS Exhaust Manifold Gasket Intake Manifold Gasket	PART NO. FP-6150-11-5810 FP-6150-13-4810	SIZE	DESCRIPTION



Komatsu Off Highway

Dozer Dozer September	F 7	DIESEL®			Komatsu Off Highway
S801555 Buil Series 42, Erg. Ser. No. 10014-Up Model D150A-1 S801555 Buil Series 42, Erg. Ser. No. 10015-Up Model D155A-1 S801555 Buil Series 42, Erg. Ser. No. 10011-Up Model D155A-3 S801555 Buil Series 42, Erg. Ser. No. 12011-Up Model D155A-3 S801555 Buil Series 42, Erg. Ser. No. 12014-Up Model D155A-2 S801555 Buil Series 42, Erg. Ser. No. 22707-Up, Model D155A-2 S80155 Buil Series 42, Erg. Ser. No. 22707-Up, Model D155A-2 S80155 Buil Series 43, Erg. Ser. No. 22707-Up, Model D155A-2 Main Bearing Set					19.3L 1175 OHV L6, 6.1024" Bore 142
S01155 Build Series 4, Eng. Ser. No. 2214-14y, Model D155A-2				S6D1 S6D1	155; Build Series 4A; Eng. Ser. No. 10014-Up; Model D150A-1 155; Build Series 4B; Eng. Ser. No. 10016-Up; Model D155A-1 155; Build Series 4C; Eng. Ser. No. 10011-Up; Model D355A-3
CRANKSHAFT/OIL PUMP				S6D1	155; Build Series 4J; Eng. Ser. No. 22144-Up; Model D155W-1
Main Bearing Set		CRANKSHAFT/OIL PUMP			
Main Bearing Set	QTY	MAIN BEARINGS	PART NO.	SIZE	DESCRIPTION
Main Bearing Set		Main Bearing Set	FP-6127-21-8002		
Main Bearing Set					
Main Bearing Set					
Main Bearing Set					
Thrust Washer FP-6127-21-851 Set of four					
Thrust Washer Set				1.0011111	William thrustwashers
1 Oil Seal					Set of four
1 Oil Seal	ОТУ	SEALS - FRONT CRANK	PART NO	SIZE	DESCRIPTION
CYL. HEAD & PARTS	1	Oil Seal	FP-6127-21-3510		
A				SIZE	DESCRIPTION
Second S		CYL. HEAD & PARTS			
Head Gasket Set	QTY			SIZE	DESCRIPTION
ROCKER PARTS					
Focker Arm Assembly	1	Head Gasket Set	FP-6128-K1-9901		
Rocker Arm Shaft FP-6127-41-5021 SIZE DESCRIPTION Int. & Exh.	QTY	ROCKER PARTS	PART NO.	SIZE	DESCRIPTION
VALVE PART NO. SIZE DESCRIPTION Int. & Exh.					Int.
Malve Keeper	3	Rocker Arm Shaft	FP-6127-41-5021		
12 Valve, Exhaust FP-6127-41-4214 FP-6127-41-4113 FP-6127-41-4113 FP-6127-41-4113 FP-6127-41-4113 FP-6127-41-4113 FP-6127-41-4113 FP-6127-41-4113 FP-6127-41-4514 FP-6127-41-4541 FP-612	QTY	VALVE	PART NO.	SIZE	DESCRIPTION
12 Valve (Native P-6127-41-4113 SIZE DESCRIPTION Int. & Exh.	48		FP-6127-41-4522		Int. & Exh.
VALVE GUIDE					
Valve Guide	12	Valve, Intake	FP-6127-41-4113		
VALVE SEAL PART NO. FP-6127-11-1325 STD Exh. STD STD Exh. STD E	QTY	VALVE GUIDE	PART NO.	SIZE	DESCRIPTION
Valve Stem Seal	24	Valve Guide	FP-6127-11-1341		Int. & Exh.
VALVE SEAT		_		SIZE	DESCRIPTION
Valve Seat				CIZE	DECCRIPTION
24					
VALVE SPRING PART NO. FP-6127-41-4410 SIZE DESCRIPTION Int. & Exh. CYLINDER COMPONENTS CONNECTING RODS & PART NO. SIZE Connecting Rod Bearing Pair FP-6127-31-3042 STD Connecting Rod Bearing Pair FP-6127-39-3042 SMM FP-6127-38-3042 SMM FP-6127-31-2140 FP-6127-31-2221 GMB FP-6127-31-2221 GMB FP-6127-31-2221 GMB FP-6127-31-2352 SABIng Ring, Liner FP-6127-21-2221 Connecting Rod Barring FP-6127-21-2221 GMB FP-6127-31-2030 FP-6127-31-					
Valve Spring FP-6127-41-4410					
CYLINDER COMPONENTS				SIZE	
CONNECTING RODS & BRGS. PART NO. SIZE Connecting Rod Bearing Pair FP-6127-31-3042 Z-5MM FP-6127-39-3042 Z-5MM FP-6127-38-3042 Z-5MM FP-6127-31-2440 FP-6127-31-23131 FP-6127-31-3131 FP-6127-31-31311 FP-6127-31-31311 FP-6127-31-31311 FP-6127-31-31311 FP-6127-31-3131			11 0127 41 4410		THE & LAIL
BRGS					
6 Connecting Rod Bearing Pair	OTV		PART NO	QI7E	DESCRIPTION
6 Connecting Rod Bearing Pair Connecting Rod Bearing Pair FP-6127-38-3042 .50MM FP-6127-38-3042 .75MM FP-6127-37-3042 .75MM FP-6127-36-3042 .75MM FP-6128-21-3004					DECOMIF HON
Connecting Rod Bearing Pair FP-6127-38-3042 .50MM FP-6127-37-3042 .75MM .7					
Connecting Rod Bearing Pair FP-6127-37-3042 .75MM 1.00MM					
CTY LINERS					
Cylinder Kit Complete	6	Connecting Rod Bearing Pair	FP-6127-36-3042	1.00MM	
Cylinder Kit Complete	QTY	LINERS	PART NO.	SIZE	DESCRIPTION
Liner w/o Sealing Ring		Cylinder Kit Complete			
6 O-Ring FP-6127-21-2251 Crevice type Sealing Ring, Liner FP-6127-21-2252 Late style, Crevice type 2TY PISTON RINGS PART NO. Premium Piston Ring Set FP-6128-31-2060 Ring Set, Single Cylinder FP-6128-31-2070 Set of six Ring Set, Single Cylinder FP-6128-31-2070 For one piston 2TY PISTONS PART NO. Piston Body w/o Pin FP-6127-31-2140 Piston Kit w/Pin & Retainers FP-6127-31-2030 Piston Pin FP-6127-31-2410 Piston Pin Bushing FP-6127-31-3131	6	Liner w/o Sealing Ring	FP-6128-21-A222		
6 Sealing Ring, Liner SP-6127-21-2241 Lower Late style, Crevice type CTY PISTON RINGS PART NO. Premium Piston Ring Set FP-6128-31-2060 Ring Set, Single Cylinder FP-6128-31-2070 Set of six For one piston CTY PISTONS PART NO. Piston Body w/o Pin FP-6127-31-2140 Piston Kit w/Pin & Retainers FP-6127-31-2030 Piston Pin FP-6127-31-2410 Piston Pin Bushing FP-6127-31-3131 Lower Late style, Crevice type DESCRIPTION Set of six For one piston SIZE DESCRIPTION SIZE DESCRIPTION					
6 Sealing Ring, Liner PP-6127-21-2252 Late style, Crevice type DESCRIPTION Set of six For one piston Piston Body w/o Pin Piston Body w/o Pin Piston Ring W/Pin & Retainers PP-6127-31-2140 Piston Pin Bushing PP-6127-31-3131 Late style, Crevice type DESCRIPTION Set of six For one piston SIZE DESCRIPTION SIZE DESCRIPTION SIZE DESCRIPTION SIZE DESCRIPTION					· · · · · · · · · · · · · · · · · · ·
PISTON RINGS					
1 Premium Piston Ring Set Ring Set, Single Cylinder FP-6128-31-2060 FP-6128-31-2070 Set of six For one piston CTY PISTONS PART NO. SIZE DESCRIPTION 6 Piston Body w/o Pin Piston Kit w/Pin & Retainers FP-6127-31-2140 FP-6127-31-2030 Piston Pin FP-6127-31-2410 Piston Pin Bushing FP-6127-31-2410 FP-6127-31-3131					
6 Ring Set, Single Cylinder FP-6128-31-2070 For one piston TY PISTONS PART NO. SIZE DESCRIPTION 6 Piston Body w/o Pin FP-6127-31-2140 6 Piston Kit w/Pin & Retainers FP-6127-31-2030 6 Piston Pin FP-6127-31-2410 12 Piston Pin Bushing FP-6127-31-3131				SIZE	
PISTONS PART NO. SIZE DESCRIPTION 6 Piston Body w/o Pin FP-6127-31-2140 6 Piston Kit w/Pin & Retainers FP-6127-31-2030 6 Piston Pin FP-6127-31-2410 12 Piston Pin Bushing FP-6127-31-3131					
6 Piston Body w/o Pin FP-6127-31-2140 6 Piston Kit w/Pin & Retainers FP-6127-31-2030 6 Piston Pin FP-6127-31-2410 12 Piston Pin Bushing FP-6127-31-3131			FP-6128-31-2070		For one piston
6 Piston Kit w/Pin & Retainers FP-6127-31-2030 6 Piston Pin FP-6127-31-2410 12 Piston Pin Bushing FP-6127-31-3131				SIZE	DESCRIPTION
6 Piston Pin FP-6127-31-2410 12 Piston Pin Bushing FP-6127-31-3131					
12 Piston Pin Bushing FP-6127-31-3131					
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14 (cor	2 19.3L 1175 OHV L6, 6.10	024" Bore		
	CYLINDER COMPONENTS (conf	t.)		
QTY 12	PISTONS (cont.) Piston Pin Retainer	PART NO. FP-6120-31-2120	SIZE	DESCRIPTION
	ENGINE BLOCK & PARTS			
QTY 7	CAM BEARINGS Camshaft Bearing	PART NO. FP-6127-21-1490	SIZE	DESCRIPTION
QTY 1 1	GASKET SETS Conversion Gasket Set Cyl. Block & Oil Pan Gskt. Set	PART NO. FP-6128-K2-9902 FP-6128-K2-9901	SIZE	DESCRIPTION
QTY 1	GASKETS Oil Pan Gasket	PART NO. FP-6127-21-5850	SIZE	DESCRIPTION
	FUEL SYSTEM & PARTS			
QTY 6	FUEL INJECTION Fuel Injector Nozzle	PART NO. FP-6127-11-3133	SIZE	DESCRIPTION
14	19.3L 1175 OHV L6, 6.10 <i>Dozer</i> SA6D155; Build Series 4A-35; Eng. Ser. SA6D155; Build Series 4A; Eng. Ser. No	No. 20338-Up; Model		
	CRANKSHAFT/OIL PUMP			
1	MAIN BEARINGS Main Bearing Set	PART NO. FP-6127-21-8002	STD	DESCRIPTION With thrustwashers
1 1 1	Main Bearing Set Main Bearing Set	FP-6127-21-8071 FP-6127-29-8071 FP-6127-28-8071	.25MM	Without thrustwashers Without thrustwashers Without thrustwashers
1	Main Bearing Set Main Bearing Set	FP-6127-27-8071		Without thrustwashers
1 4	Main Bearing Set Thrust Washer	FP-6127-26-8071 FP-6127-21-8511	1.00MM	Without thrustwashers
1	Thrust Washer Set	FP-6127-21-8051		Set of four
1	SEALS - FRONT CRANK Oil Seal	PART NO. FP-6127-21-3510	SIZE	DESCRIPTION
QTY 1	SEALS - REAR CRANK Oil Seal	PART NO. FP-6128-21-4230	SIZE	DESCRIPTION
	CYL. HEAD & PARTS			
QTY 3 1	GASKETS Head Gasket Head Gasket Set	PART NO. FP-6127-11-1087 FP-6128-K1-9901	SIZE	DESCRIPTION
QTY 6 3	ROCKER PARTS Rocker Arm Assembly Rocker Arm Shaft	PART NO. FP-6128-41-5400 FP-6127-41-5021	SIZE	DESCRIPTION Int.
QTY 48 12 12	VALVE Valve Keeper Valve, Exhaust Valve, Intake	PART NO. FP-6127-41-4522 FP-6127-41-4214 FP-6127-41-4113	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE GUIDE Valve Guide	PART NO. FP-6127-11-1341	SIZE	DESCRIPTION Int. & Exh.
QTY 24	VALVE SEAL Valve Stem Seal	PART NO. FP-6127-41-4541	SIZE	DESCRIPTION
QTY 24 24	VALVE SEAT Valve Seat Valve Seat	PART NO. FP-6127-11-1325 FP-6127-11-1335		DESCRIPTION Exh. Int.
QTY 24	VALVE SPRING Valve Spring	PART NO. FP-6127-41-4410	SIZE	DESCRIPTION Int. & Exh.
	CYLINDER COMPONENTS			
QTY 6 6 6 6	CONNECTING RODS & BRGS. Connecting Rod Bearing Pair	PART NO. FP-6127-31-3042 FP-6127-39-3042 FP-6127-38-3042 FP-6127-37-3042	SIZE STD .25MM .50MM .75MM	DESCRIPTION
6	Connecting Rod Bearing Pair	FP-6127-36-3042	1.00MM	



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				(cont.)				
	CYLINDER COMPONENTS (cont.)							
QTY	LINERS	PART NO.	SIZE	DESCRIPTION				
6	Cylinder Kit Complete	FPLK612831-2140						
6	Liner w/o Sealing Ring	FP-6128-21-A222		Replaces OE No's 6128-21-2220, 6128-21-2221, 6128-21-2222, 6128-21-2214, 6128-21-2215, 6128-21-2216				
6	O-Ring	FP-6127-21-2221		Center				
6	O-Ring	FP-6127-21-2251		Crevice type				
6	Sealing Ring, Liner	FP-6127-21-2241		Lower				
6	Sealing Ring, Liner	FP-6127-21-2252		Late style,Crevice type				
QTY	PISTON RINGS	PART NO.	SIZE	DESCRIPTION				
1	Premium Piston Ring Set	FP-6128-31-2060		Set of six				
6	Ring Set, Single Cylinder	FP-6128-31-2070		For one piston				
QTY	PISTONS	PART NO.	SIZE	DESCRIPTION				
6	Piston Body w/o Pin	FP-6128-31-2140						
6	Piston Kit w/Pin & Retainers	FP-6128-31-2050						
6	Piston Pin	FP-6127-31-2410						
12	Piston Pin Bushing	FP-6127-31-3131						
12	Piston Pin Retainer	FP-6120-31-2120						
	ENGINE BLOCK & PARTS							
QTY	CAM BEARINGS	PART NO.	SIZE	DESCRIPTION				
7	Camshaft Bearing	FP-6127-21-1490						
QTY	GASKET SETS	PART NO.	SIZE	DESCRIPTION				
1	Conversion Gasket Set	FP-6128-K2-9902						
1	Cyl. Block & Oil Pan Gskt. Set	FP-6128-K2-9901						
QTY	GASKETS	PART NO.	SIZE	DESCRIPTION				
1	Oil Pan Gasket	FP-6127-21-5850						
	FUEL SYSTEM & PARTS							
QTY	FUEL INJECTION	PART NO.	SIZE	DESCRIPTION				
6	Fuel Injector Nozzle	FP-6127-11-3133						
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Numerical List



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FP-600-421-6120 FP-600-421-6210	50, 51 1, 2, 4, 5, 6 27, 28, 29, 30, 35, 36, 37, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89,	FP-6130-27-8500 FP-6130-28-8101 FP-6130-28-8500 FP-6130-29-8101	31, 32, 33, 34 31, 32, 33, 34 31, 32, 33, 34 31, 32, 33, 34		90, 91, 92, 93, 94, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132,
FP-600-421-6220 FP-600-421-6310	90, 93, 94 91 92, 111, 113, 114, 115, 116, 117,	FP-6130-29-8500 FP-6130-31-2410 FP-6130-31-2510	31, 32, 33, 34 31, 32, 33, 34 31, 32, 33, 34	FP-6136-11-1311	133, 134, 135, 136, 137, 138, 139, 140, 141 27, 28, 29, 35, 37, 79, 82, 83, 86,
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	81, 82, 83, 84, 85, 86, 87, 88, 89,		123, 124, 125, 126, 127, 128,	FP-6150-26-8010	135, 139, 140, 141
FP-6136-42-2111	90, 91, 92, 93, 94 79, 80, 81, 82, 83, 84, 85, 86, 87,		129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141	FF-0150-20-0010	111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122,
FP-6136-42-3120	88, 89, 90, 91, 92, 93, 94 79, 80, 81, 82, 83, 84, 85, 86, 87,	FP-6150-11-5810	111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122,		123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134,
	88, 89, 90, 91, 92, 93, 94		123, 124, 125, 126, 127, 128,	ED 0450 00 0050	135, 136, 137, 138, 139, 140, 141
FP-6136-42-4110 FP-6136-42-4211	30, 36, 80, 81, 84, 87, 90, 93 30, 36, 80, 81, 84, 85, 87, 89, 90,		129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141	FP-6150-26-8050	111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122,
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11-0130-42-4320	91, 92, 93, 94, 111, 112, 113,		137, 138		135, 136, 137, 138, 139, 140, 141
	114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125,	FP-6150-12-1351	111, 113, 114, 115, 116, 117, 122, 124, 125, 129, 130, 136,	FP-6150-27-8050	111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122,
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FP-6150-41-4111	130, 131, 132, 133, 134, 135, 137, 138, 139, 140, 141 111, 113, 114, 115, 116, 117, 122, 124, 125, 129, 130, 136,	FP-6151-37-3040	140, 141 112, 117, 120, 121, 122, 123, 124, 125, 126, 127, 128, 130, 132, 133, 134, 135, 137, 138,	FP-6204-27-8500 FP-6204-27-8600	49, 50, 51, 52 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
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FP-6736-37-3400	11, 12, 13, 14, 15, 16, 17, 18, 19,	FP-6742-01-1570	95, 96, 97, 98, 99, 100, 101, 102,	FP-6742-01-5309	95, 96, 97, 98, 99, 100, 101, 102,
	20, 21, 22, 23, 24, 25, 26, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63,		103, 104, 105, 106, 107, 108, 109, 110		103, 104, 105, 106, 107, 108, 109, 110
	64, 65, 66, 67, 68, 69, 70, 71, 72,	FP-6742-01-1900	95, 96, 97, 98, 100, 101, 102,	FP-6742-01-5442	95, 96, 97, 98, 99, 100, 101, 102,
FP-6736-38-3400	73, 74, 75, 76, 77, 78 11, 12, 13, 14, 15, 16, 17, 18, 19,	FP-6742-01-2740	103, 104, 105, 107, 108, 109 95, 96, 97, 98, 99, 100, 101, 102,		103, 104, 105, 106, 107, 108, 109, 110
	20, 21, 22, 23, 24, 25, 26, 53, 54,		103, 104, 105, 106, 107, 108,	FP-6742-01-5470	108
	55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72,	FP-6742-01-2750	109, 110 95, 96, 97, 98, 99, 100, 101, 102,	FP-6742-01-5474	95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108,
ED 6706 00 1100	73, 74, 75, 76, 77, 78		103, 104, 105, 106, 107, 108,	ED 6740 01 EE41	109, 110
FP-6736-39-1130	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 53, 54,	FP-6742-01-2810	109, 110 95, 96, 97, 98, 99, 100, 101, 102,	FP-6742-01-5541 FP-6742-01-5577	102 102
	55, 56, 57, 58, 59, 60, 61, 62, 63,		103, 104, 105, 106, 107, 108,	FP-6742-01-5578	95, 97, 98, 101, 104, 107, 109
	64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 95, 96, 97,	FP-6742-01-2820	109, 110 95, 96, 97, 98, 99, 100, 101, 102,	FP-6742-01-5582	95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108,
	98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110		103, 104, 105, 106, 107, 108, 109, 110	FP-6742-02-1110	109, 110 95, 96, 97, 98, 99, 100, 101, 102,
FP-6736-39-1140	11, 12, 13, 14, 15, 16, 17, 18, 19,	FP-6742-01-2830	95, 96, 97, 98, 99, 100, 101, 102,	11-01-42-02-1110	103, 104, 105, 106, 107, 108,
	20, 21, 22, 23, 24, 25, 26, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63,		103, 104, 105, 106, 107, 108, 109, 110	FP-6743-11-3120	109, 110 99
	64, 65, 66, 67, 68, 69, 70, 71, 72,	FP-6742-01-2840	95, 96, 97, 98, 99, 100, 101, 102,	FP-6743-11-3220	110
	73, 74, 75, 76, 77, 78, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104,		103, 104, 105, 106, 107, 108, 109, 110	FP-6743-11-3310 FP-6743-11-3320	110 99
	105, 106, 107, 108, 109, 110		,	FP-6743-31-2101	99, 110
				FP-6743-31-2110	99, 110



PUILGER					aooa. Elst
Part		Part		Part	
No.	Line No.	No.	Line No.	No.	Line No.
FP-04065-03012	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 38, 39,				
	40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52				
FP-04065-04018	27, 28, 29, 30, 35, 36, 37, 79, 80,				
	81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94				
FP-04065-04818	111, 112, 113, 114, 115, 116,				
	117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128,				
	129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141				
FP-07000-72070	31 96, 100, 105				
FP-1241175H92 FP-1241180H1	96, 100, 103, 105				
FP-1241223H2	95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108,				
ED 40447401100	109, 110				
FP-1241748H92	95, 97, 98, 99, 101, 102, 104, 106, 107, 108, 109, 110				
FP-1295691H91 FP-1295692H91	100, 103 100				
FP-1295693H91	96, 105				
FP-1295706H91 FP-1304902H91	103 95, 97, 98, 101, 102, 104, 107,				
FP-1307230H91	108, 109 95, 97, 101, 104, 107, 109				
FP-1307586H1	95, 96, 97, 98, 99, 100, 101, 102,				
	103, 104, 105, 106, 107, 108, 109, 110				
FP-1816593	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,				
	22, 23, 24, 25, 26, 38, 39, 40, 41,				
	42, 44, 45, 46, 47, 48, 49, 50, 51, 52				
FP-LK2120 FP-LK2121	41, 48, 51 3, 38, 40, 49				
FP-LK2160	2				
FP-LK2161 FP-LK2190	10 9				
FP-LK5159 FP-LK6742	98, 102, 108 96, 105				
FP-LK6743	99, 110				
FP-LK32180 FP-LK62112	42 79, 82, 86				
FP-LK72110 FP-LK72121	36, 84, 90 8, 52				
FP-LK72141 FP-LK92141	7, 43 44				
FP-LK92180	45, 46				
FP-LK302110 FP-LK312110	31 32				
FP-LK312112 FP-LK312141	35, 83, 88 6				
FP-LK322110	27, 28, 29, 37, 80, 81, 87, 93				
FP-LK322120 FP-LK322130	33, 34 89, 91, 92, 94				
FP-LK322140 FP-LK332140	1 4, 39, 47				
FP-LK332141	5, 50				
FP-LK362120 FP-LK372110	30 85				
FP-LK502110 FP-LK502112	112 111, 136				
FP-LK512110	118				
FP-LK512150 FP-LK512171	113, 114, 115 116, 129				
FP-LK512710 FP-LK522113	117, 124, 125, 130, 137, 138 122				
FP-LK522510	119, 120, 121, 123, 126, 127,				
EDI MOJORCI CI	128, 131, 132, 133, 134, 135, 139, 140, 141				
FPLK612731-2140 FPLK612831-2140					





Komatsu Machine Models D60, D65, D75, D80A-12, D85A-12 - NH220 743 CID Cummins Engines

KOMATSU	CUMMINS	PART	KOMATSU	CUMMINS	PART
PART NUMBER		R DESCRIPTION	PART NUMBER		R DESCRIPTION
CYLINDER HEA			OIL PAN PARTS		
FP-6610-41-4110		Valve, Intake	FP-6623-21-5811		Oil Pan Gasket (411481)(178788)
FP-6610-41-4210		Valve, Exhaust	FP-6610-21-5670		Flange Gasket
FP-6600-01-3910		Valve Keeper	FP-6610-21-7200		Oil Cap
FP-6610-41-4410		Valve Spring - Intake & Exhaust	FP-0201-02-0732	FP-103009	Bolt - oil pan to block
FP-6610-11-1310		Valve Guide - Intake & Exhaust	CRANKSHAFT	PARTS	
FP-6610-11-1140		Valve Bridge Guide	FP-6623-31-1111	FP-3029341	Crankshaft (FP-6680-31-1011)
FP-6610-41-5620		Screw	FP-6610-21-8010	FP-3801260	Main Bearing Set STD
FP-6710-41-5630		Adjusting Screw Nut	FP-6610-29-8070	FP-3801261	Main Bearing Set .010"
FP-6610-11-1120		Valve Seat - Exhaust STD	FP-6610-28-8070	FP-3801262	Main Bearing Set .020"
FP-6610-19-1120		Valve Seat - Exhaust .005"	FP-6610-27-8070	FP-3801263	Main Bearing Set .030"
FP-6610-18-1120		Valve Seat - Exhaust .010"	FP-6610-29-8051		Thrust Washer
FP-6610-17-1120		Valve Seat - Exhaust .020"	FP-6610-21-3520	FP-176927	Oil Seal - front crankshaft
FP-6610-16-1120		Valve Seat - Exhaust .030"	PISTON & CON	NECTING RO	D PARTS
FP-6610-11-1130		Fuel Injector Sleeve	FP-6620-31-3120		Piston Pin Bushing
FP-6610-11-1081		Head Gasket	FP-6610-31-3311		Connecting Rod Bolt
FP-6610-11-1811		Head Gasket - Less Packing	0010 01 0011	FP-AR7383	Cylinder Kit Complete
FP-6610-11-1711	FP-1293/3	Miscellaneous Gasket - Lubricating		11 /11/000	(199821)(200720)
ED CC40 44 4040	ED 100040	Oil Pipe (FP6610-11-1710)		FP-AR7399	Cylinder Kit Complete (200710)
FP-6610-11-1840		FP- Grommet		FP-AR7510	Piston Kit w/Pin & Retainers
ROCKER ARM I	<u>HOUSING PAI</u>				(199821)
FP-6610-41-5020		Rocker Arm Shaft		FP-AR7440	Piston Kit w/Pin & Retainers
FP-6610-41-5220		Rocker Shaft Plug			(200710)
FP-6610-41-5330	FP-140330	Rocker Lever Bushing -	FP-6657-31-2110	FP-199821	Piston Body w/o Pin (200720)
		Intake & Exhaust Valves			(151850)(FP-6620-31-2110)
FP-6710-41-5531		Rocker Lever Bushing - Injectors	FP-6685-31-2111	FP-200710	Piston Body w/o Pin
FP-6610-41-5360		Adjusting Screw Nut	FP-6620-31-2410	FP-203070	Piston Pin
FP-6610-41-5550		Rocker Lever Adjusting Screw	FP-6610-31-2130	FP-175755	Piston Pin Retainer
FP-6610-11-7811		Rocker Housing to head Gasket	FP-6620-31-2020	FP-BM35080	Use 6 of FP-AR12098
FP-6610-11-8810	FP-108692	Valve Cover Gasket	FP-6620-31-2030	FP-AR12098	Ring Set, Single Cylinder
WATER MANIFO	OLD PARTS		FP-6610-31-3411	FP-203670	Rod Bearing Half Upper/Lower
FP-0289-30-5043	FP-70624	0-Ring			(FP6610-31-3041 2 halves) STD
FP-6610-11-6820		Rect. or Square Sealing Ring	FP-6610-39-3411	FP-203671	Rod Bearing Half Upper/Lower
THERMOSTAT A					(FP6610-39-3041 2 halves) .010"
FP-6610-11-6500		Thermostat - 170 Degree	FP-6610-38-3411	FP-203672	Rod Bearing Half Upper/Lower
FP-6610-11-6450		Oil Seal		FD 000070	(FP6610-38-3041 2 halves) .020"
FP-6620-11-6430		Thermostat Gasket	FP-6610-37-3411	FP-203673	Rod Bearing Half Upper/Lower
FP-6610-11-6330		Connection Gasket			(FP6610-37-3041 2 halves) .030"
			CAMSHAFT & F		
EXHAUST MAN			FP-6680-41-1111	FP-3801030	Camshaft
FP-6620-11-5810		Exhaust Manifold Gasket	FP-6610-41-1230	FP-92351	Camshaft Thrust Washer
FP-6150-11-5751		Exh. Outlet Connection Gasket	FP-6620-41-1150	FP-68193	Pipe Plug
FP-6610-11-5220	FP-114638	Gasket Lock Plate	CAM FOLLOWE	R & PUSH RO	OD .
CYLINDER BLO	CK PARTS		FP-6610-41-2140		Cam Follower Shaft
FP-6610-21-1040	FP-BM27253	Camshaft Bearing Set	FP-6610-41-2120		Lock Screw
FP-6610-21-1410	FP-100670	Camshaft Bearing - Front	FP-6610-41-2330		Cam Follower Socket
FP-6610-21-1420	FP-157870	Camshaft Bearing -	FP-6610-41-2420		Misc. FP-Diesel Bushing -
		Rear & Intermediate	11 0010 41 2420	11 110077	Injector Cam
FP-6610-21-2022	FP-BM98224	Liner w/Sealing Rings	FP-6610-41-2320	FP-118378	Misc. FP-Diesel Bushing - Valve Cam
FP-6610-21-2212	FP-184400	Liner w/o Sealing Ring	FP-6610-41-2450		Fuel Injector Roller Pin
FP-6610-21-2221	FP-216879	Sealing Ring, Liner	FP-6610-41-2350		Valve Roller Pin
FP-6610-21-2250	FP-181449	Sealing Ring, Liner - silicone	FP-6610-41-2370		Valve Lock Pin
FP-6610-21-2240		Sealing Ring, Liner - crevice	FP-6610-41-2440		Injector Cam Roller
FP-6610-21-6720	FP-3069098	Aftercooler Gasket	FP-6610-41-2340		Cam Follower Roller
FP-6610-21-5670		Flange Gasket	FP-6610-41-3020		Push Rod - Exhaust Valve
FP-6623-21-6770		Hand Hole Gasket	FP-6610-41-3030		Push Rod - Injector
REAR COVER P		-	FP-6610-41-3010		Push Rod - Intake Valve
FP-6610-21-1330		Rear Cover Gasket	FP-6610-41-2810		Cam Follower Gasket
FP-6610-21-1321		Oil Seal	0010 71-2010	11 120013	.026" (0.66mm)
		UII JEAI	FP-6610-41-2820	FP-9266	Cam Follower Gasket
GEAR CASE CO			0010 71 2020	11 0200	.016" (0.35mm)
FP-6610-21-3511		Oil Seal	FP-6610-41-2830	FP-9266A	Cam Follower Gasket
FP-6610-21-3120		Misc. FP-Diesel Bushing	22.0 11 2000	0200/1	.007" (0.17mm)
FP-6620-21-3240	FP-67270	O-Ring			



Komatsu Machine Models D60, D65, D75, D80A-12, D85A-12 - NH220 743 CID Cummins Engines

KOMATSU PART NUMBER		PART R DESCRIPTION	KOMATSU PART NUMBER		PART R DESCRIPTION
LUBE OIL PUM	P PARTS		FUEL SHUTDO	WN VALVE &	
FP-6610-51-1710 FP-6110-51-1620	FP-133851	Oil Press. Reg. Low Pressure Miscellaneous Gasket - Cover to Body		FP-3035342 FP-3035344	Fuel Pump Valve - 12 Volt Fuel Pump Valve - 24 Volt
FP-6610-51-1811 LUBE OIL COO I		Oil Pump Gasket (D80A-12)		FP-3000266 FP-3054610	Fuel Pump Shaft Fuel Shutdown Solenoid - 24 Volt
FP-6620-61-5300 FP-6620-61-5130		Oil Cooler Element 6 1/2" O-Ring	FP-6610-71-4110	FP-3054611 FP-134076	Fuel Shutdown Solenoid - 12 Volt Fuel Shutdown Solenoid - 24 Volt
FP-6620-61-5140 FP-6610-61-5811		Snap Ring Oil Cooler Gasket	FP-6610-71-4130 FP-6610-71-4160		(3021420) Fuel Pump Relief Valve Spring O-Ring
PRESSURE TIM	ED FUEL INJ	ECTION PUMP & PARTS			O-Hilly
FP-6610-71-1430	FP-70690	Fuel Injection Driver Tang	ACCESSORY DI		M' ED D' LD L'
FP-6610-71-1411	FP-169660	Fuel Governor Plunger - Red - Class 0	FP-6610-71-7120		Misc. FP- Diesel Bushing
FP-6610-79-1411	FP-169661	Fuel Governor Plunger - Blue - Class 1	FP-6610-71-7220		Accessory Gear
FP-6610-78-1411		Fuel Governor Plunger - Green -	FP-6610-71-7230		Thrust Washer
		Class 2	FP-6610-71-7240		Accessory Drive Thrust Washer
FP-6610-77-1411	FP-169663	Fuel Governor Plunger - Yellow -	FP-6610-71-7251	FP-3200287	Ring - Misc. Sealing
		Class 3	FUEL INJECTO	R & PARTS	
FP-6610-76-1411	FP-169664	Fuel Governor Plunger - Brown -	FP-6620-11-3011	FP-BM68974PF	R Fuel Injector Premium Rebuilt
		Class 4	FP-6620-11-3030		Fuel Injector Cup
FP-6610-75-1411		Fuel Governor Plunger - Black - Class 5	FP-6610-11-3230	FP-62409	Injector Filter Cap Gasket - .0159" thick
FP-6610-74-1411	FP-169666	Fuel Governor Plunger - Gray O/S -	FP-6610-11-3220	FP-193735	0-Ring
		Class 6	FP-6610-11-8320		Copper Washer
FP-6610-73-1411		Fuel Governor Plunger - Purple O/S - Class 7	FP-6610-11-8350 WATER PUMP 8		Ring - Misc. Sealing
FP-6610-71-1451		Fuel Pump Spacer	FP-6600-01-1221		Ball Bearing
FP-0289-10-2047		0-Ring	FP-6600-01-1231		Ball Bearing
	FP-3046200	Fuel Pump Spider Jaw Coupling			Water Pump Gasket
FP-6610-71-2330		Fuel Pump Shaft	FP-6610-61-1810 FP-6610-61-1321		
FP-6610-71-2340	FP-103036	Governor Gear			Water Pump Impeller Water Pump Mech. Shaft Seal
FP-6610-71-2121	FP-163944	Misc. FP-Diesel Bushing	FP-6610-61-1511	FF-3029099	
FP-6610-71-2150	FP-144178	AFC Plunger	ED 660E 64 4000	ED DM76506	(replaces old style seal 3071085)
FP-6610-71-1821		Miscellaneous Gasket - Cover to Housing	FP-6685-61-1020 FP-6671-61-2420		Water Pump - Heavy Duty without pulley (6685-61-1024) Fan Hub Spacer Gasket
FP-6610-71-2410		Miscellaneous Gasket	FP-6610-61-2170		Oil Seal
FP-6610-71-6570		Idler Spring Plunger Button		11-100270	Oli Geal
FP-6600-08-6181		Transfer Pump Gasket Kit - AFC-VS	GASKET SETS		
FP-6610-71-3520		Rect. or Square Sealing Ring		PGC220K	Head Gasket Set
FP-6610-71-3530		Rect. or Square Sealing Ring		PGNH220IF	In-Frame Gasket Set
FP-6610-71-2750		0-Ring		FP-3802077	Head Gasket Set
FP-6610-71-2741	FP-139988	0-Ring		FP-3802075	Conversion Gasket Set
FP-6610-71-2771	FP-100099	0-Ring	IN-FRAME KIT		
FP-6610-71-3850	FP-3045986	0-Ring		FP-NH220	In-Frame Overhaul Kit
FP-6610-71-4160	FP-129888	0-Ring			
FP-6610-71-4240	FP-114791	0-Ring			
FP-6610-71-2320	FP-3062676	Oil Seal			
FP-6610-71-1320	FP-100478	0-Ring			
FP-0289-10-2018	FP-43696A	0-Ring			
FP-6610-71-1230	FP-181466	Lock Washer			
FP-6610-71-3601	FP-149767	Fuel Injector Screen			
FP-6610-71-3700		Fuel Injector Screen			
FP-6620-71-2610		Fuel Pump Shaft			
FP-6620-71-2640		Fuel Pump Gear			
FP-6610-71-1610		Tachometer Drive Shaft			
FP-6610-71-1620		Misc. FP-Diesel Bushing			
FP-6610-71-1911		Oil Seal			
FP-6610-71-1911		Tachometer Drive Gasket			
11-0010-71-1930	15-10132	ומטווטווופנפו שוועל שמאלענ			





Komatsu Machine Models D80A-18, D85A-18, D95S-2 - NT855 Cummins Engines

KOMATSU	CUMMINS	PART	KOMATSU	CUMMINS	PART
PART NUMBER		R DESCRIPTION	PART NUMBER		R DESCRIPTION
CYLINDER HEA		Cylinder Head Assembly With Volves	TURBOCHARG	•	-
FP-6711-11-1010 FP-6711-11-1100		Cylinder Head Assembly - With Valves Cylinder Head - Without Valves	FP-6685-82-9340 FP-6685-82-9261		Lock Nut Split Seal
FP-6710-11-1311		Valve Guide - Intake & Exhaust	FP-6685-82-9311		Turbo Insulator Packing
FP-6610-11-1140		Valve Bridge Guide	FP-6685-82-9351		Split Seal
FP-6710-11-1120		Valve Seat - Exhaust	FP-6685-82-9191		O-Ring
FP-6711-11-1120	FP-200354	Valve Seat - Intake	FP-6685-82-9281	FP-194010	Bolt
FP-6710-11-1130		Fuel Injector Sleeve	FP-02300-10920	FP-S631	Washer
FP-6710-11-3220		0-Ring	FP-6685-82-9180		Lock Nut
FP-6712-41-4110		Valve, Intake		FP-3803042	Turbo Repair Kit (3003807)
FP-6710-41-4210		Valve, Exhaust	FP-6685-82-9110		Turbo Bushing
FP-6710-41-4530 FP-6710-41-4410		Valve Spring Seat Valve Spring - Intake & Exhaust	FP-6685-82-9160 FP-6685-82-9340		Turbo Insert Lock Nut
FP-6710-41-4511		Valve Spring Retainer	FP-6685-82-9261		Split Seal
FP-6710-41-3910		Valve Keeper	FP-6685-82-9311		Turbo Insulator Packing
FP-6710-41-5610		Crosshead Valve Assembly	FP-6711-82-9220		O-Ring
FP-6610-41-5620		Screw	FP-6685-82-9191		0-Ring
FP-6710-41-5630	FP-203131	Adjusting Screw Nut	FP-6711-82-9190	FP-202457	0-Ring
FP-6710-11-1811		Head Gasket w/grommets	FP-6685-82-9281		Bolt
FP-6610-11-1821		FP Cylinder Head Grommet	FP-02300-10920	FP-S631	Washer
FP-6710-71-8310		Fuel Crossover Connection	FP-6685-82-9180		Lock Nut
FP-6710-11-1610		Cylinder Head Bolt	FP-6711-82-9360		Turbine Wheel and Shaft
FP-6710-11-1650 FP-02720-20204		Washer Pipe Plug	FP-6711-82-9321 FP-6711-82-9230		Turbo Compressor Wheel Wear Sleeve (FP6711-82-9231)
FP-02720-20204 FP-02720-20104		Pipe Plug			Wear Sieeve (FP6711-62-9231)
FP-6710-71-8320		Bolt	CYLINDER BLO		O-maket Basis v O-t
FP-6710-71-8330		0-Ring	FP-6610-21-1040		Camshaft Bearing Set
ROCKER ARM		-	FP-6610-21-1410 FP-6610-21-1420		Camshaft Bearing - #1 Front Camshaft Bearing #2 through 7
FP-6710-11-7021		Rocker Arm Housing (FP6710-11-7011)			Aftercooler Gasket
FP-6710-11-7150		FP- Diesel Expansion Plug	FP-6623-21-6770		Hand Hole Gasket
FP-6710-11-7330		Rocker Arm Shaft Screw	FP-6610-11-1410		Dowel Pin - grooved - head to block
FP-6610-41-5330		Misc. FP-Diesel Bushing	FP-6610-21-1730		Dowel Pin - crankshaft
FP-6710-41-5351		Rocker Lever Adjusting Screw	FP-6710-21-6800	FP-3013591	Piston Cooling Nozzle
FP-6710-41-5360		Adjusting Screw Nut	FP-6710-21-2210		Liner w/o Sealing Ring
FP-6710-41-5531	FP-218153	Misc. FP-Diesel Bushing -	FP-6710-21-2230		Sealing Ring, Liner
FP-6710-41-5540	ED_10/027	Injector Rocker Lever Rocker Arm Socket	FP-6712-21-2240	FP-215090 FP-3801826	Sealing Ring, Liner - crevice Liner w/Sealing Rings
FP-6710-11-7810		Rocker Housing Gasket - housing	FP-6623-21-5812		Oil Pan Gasket
11 0/10 11 /010	11 0017700	to head			Oli Fali Gasket
FP-6710-11-8810	FP-3054841	Valve Cover Gasket	REAR COVER F FP-6711-21-1320		Oil Seal - rear - S/N 139838 (3001772)
THERMOSTAT	AND WATER	CONNECTION	FP-6710-21-1330		Oil Seal - rear - S/N 163093 (211253)
FP-6004-21-6610	FP-204586	Thermostat	FP-6610-21-1330		Rear Cover Gasket
FP-6710-11-6451		Oil Seal		FP-3006743	Redi-Sleeve - Rear
FP-6610-11-6330		Connection Gasket	GEAR CASE CO	OVER PARTS	
FP-6711-11-6430	FP-208128	Thermostat Gasket	FP-6711-21-3511		Oil Seal - Accessory Drive
TURBOCHARG	ER PARTS		FP-6711-29-3521		Oil Seal - Front Gear Cover
FP-6711-82-9030		Turbo Repair Kit	FP-6710-21-3810	FP-3021704	Gear Cover Gasket
FP-6685-82-9151		Turbo Bearing Housing	CRANKSHAFT	PARTS	
FP-6685-82-9110		Turbo Bushing	FP-6710-31-1111		Crankshaft
FP-6685-82-9160 FP-6685-82-9340		Turbo Insert Lock Nut	FP-6710-31-1121	FP-3014614	Crank Gear
FP-6685-82-9261		Split Seal	FP-6610-21-8010		Main Bearing Set STD
FP-6685-82-9311		Turbo Insulator Packing	FP-6610-29-8070		Main Bearing Set .010"
FP-6685-82-9270		Turbocharger Heat Shield	FP-6610-28-8070		Main Bearing Set .020"
FP-6711-82-9220		0-Ring	FP-6610-27-8070 FP-6610-21-8051		Main Bearing Set .030" Thrust Washer - STD
FP-6685-82-9351		Split Seal	FP-6127-31-8101		Vibration Damper
FP-6685-82-9191		0-Ring	11 0121-01-0101	11 211313	νιστατιστι σαπιροι
FP-6711-82-9190		O-Ring			
FP-6685-82-9281		Bolt			
FP-02300-10920	FP-S631	Washer			
FP-6685-82-9180	FP-167299 FP-3801096	Lock Nut Turbo Repair Kit			
FP-6685-82-9160		Turbo Insert			
726					



Komatsu Machine Models D80A-18, D85A-18, D95S-2 - NT855 Cummins Engines

KOMATSU	CUMMINS	PART	KOMATSU	CUMMINS	PART Engines
PART NUMBER	PART NUMBE	R DESCRIPTION	PART NUMBER	PART NUMBER	R DESCRIPTION
PISTON & CON			AUTO FUEL CO		L INJECTION PUMP
FP-6710-31-3022		Connecting Rod, New		FP-3035342	Fuel Pump Valve 12 Volt
FP-6710-31-3120		Piston Pin Bushing		FP-3035344	Fuel Pump Valve 24 Volt
FP-02400-10513		Dowel Pin		FP-3035345	Fuel Shutdown Solenoid 12 Volt
FP-6710-31-3312		Connecting Rod Bolt	FP-6610-71-4020		Fuel Shutdown Solenoid 24 Volt
FP-6712-31-3410	FP-203660	Rod Bearing Half Upper/Lower - Small Cam - STD	ED CC40 74 4440	FP-134075	Fuel Shutdown Solenoid 12 Volt
FP-6712-39-3410	ED-203661	Rod Bearing Half Upper/Lower -	FP-6610-71-4110	FP-134076 FP-134077	Fuel Shutdown Solenoid 24 Volt Fuel Shutdown Solenoid 32 Volt
11-0/12-03-0410	11-200001	Small Cam010"		FP-3054610	Fuel Shutdown Solenoid 24 Volt
FP-6712-38-3410	FP-203662	Rod Bearing Half Upper/Lower -		11-3034010	(134074)
		Small Cam020"		FP-3054611	Fuel Shutdown Solenoid 12 Volt
FP-6712-37-3410	FP-203663	Rod Bearing Half Upper/Lower -			(134072)(3021092)
		Small Cam030"	FP-6610-71-4130	FP-129768	Fuel Pump Relief Valve Spring
FP-6710-31-3411	FP-214950	Rod Bearing Half Upper/Lower -	FP-6610-71-1230		Lock Washer
FP-6710-39-3411	ED 014651	Big Cam - STD		FP-3000266	Fuel Pump Shaft
FP-0/10-39-3411	FP-214001	Rod Bearing Half Upper/Lower - Big Cam010"		FP-3030970	Fuel Pump Injector Check Valve
FP-6710-38-3411	FP-21/4052	Rod Bearing Half Upper/Lower -		FP-3048294	Throttle Lever Long
11 0710 00 0411	11 214332	Big Cam020"		FP-3048296	Throttle Lever Short
FP-6710-37-3411	FP-214953	Rod Bearing Half Upper/Lower -		FP-3034215	Mechanical Fuel Pump 7/16" RH
		Big Cam030"		FP-3034216 FP-3034217	Mechanical Fuel Pump 7/16" LH Mechanical Fuel Pump 3/4" RH
FP-6710-31-2111		Piston Body w/o Pin - 13.5:1 C/R		FP-3034217	Mechanical Fuel Pump 3/4" LH
FP-6711-31-2110		Piston Body w/o Pin - 14.5:1 C/R		FP-3034219	Mechanical Fuel Pump 1" RH
	FP-3801393	Piston With Retainers - 13.5:1 C/R		FP-3034220	Mechanical Fuel Pump 1" LH
	FP-3801770	Piston With Retainers - 14.5:1 C/R		FP-3034221	Mechanical Fuel Pump 1 1/4" RH
	FP-3801781	Cylinder Kit Complete - 13.5:1 C/R		FP-3034222	Mechanical Fuel Pump 1 1/4" LH
ED 0740 04 0000	FP-3801779	Cylinder Kit Complete - 14.5:1 C/R		FP-167169	Fuel Pump Shaft 7/16"
FP-6710-31-2032		Ring Set, Single Cylinder	FP-6620-71-2610		Fuel Pump Shaft 3/4"
FP-6710-31-2410 FP-6610-31-2130		Piston Pin Piston Pin Retainer	FP-6711-71-2530		Fuel Pump Shaft 1"
		FISION FIN Netamer		FP-100217	Fuel Pump Shaft 1 1/4"
CAMSHAFT &		0		FP-175866	Fuel Pump Shaft 7/16"
FP-6685-41-1120		Camshaft Camshaft Thrust Washer	FP-6610-71-2521	FP-175864	Fuel Pump Shaft 3/4"
FP-6610-41-1230 FP-6710-41-1211		Cam Gear - 72 teeth	FP-6711-71-2540		Fuel Pump Shaft 1"
				FP-175865 FP-167166	Fuel Pump Shaft 1 1/4" Fuel Pump Gear 7/16"
CAM FOLLOWE			FP-6620-71-2641		Fuel Pump Gear 3/4" (FP6620-71-2640)
FP-6610-41-2140 FP-6610-41-2120		Cam Follower Shaft Lock Screw	FP-6711-71-2560		Fuel Pump Gear 1"
FP-6610-41-2420		Misc. FP-Diesel Bushing		FP-119364	Fuel Pump Gear 1 1/4"
FP-6610-41-2320		Misc. FP-Diesel Bushing	FP-6610-71-8190		Fuel Pump Check Valve
FP-6610-41-2330		Cam Follower Socket		FP-3033740	Fuel Pump Check Valve (Late Style)
FP-6610-41-2340		Cam Follower Roller		FP-3027633	Fuel Pump Thrust Bearing
FP-6610-41-2440		Injector Cam Roller	FP-6610-71-1451		Fuel Pump Spacer
FP-6610-41-2450	FP-3017544	Fuel Injector Roller Pin	FP-6684-71-3811		Filter Cap, Fuel Pump
FP-6610-41-2350		Valve Roller Pin	FP-6610-71-3700		Fuel Injector Screen
FP-6610-41-2370		Valve Lock Pin	ED 6640 74 2604	FP-146483	Fuel Pump Filter
FP-6710-41-3200		Push Rod	FP-6610-71-3601	FP-149767 FP-200743	Fuel Injector Screen Fuel Injector Screen
FP-6610-41-3300		Push Rod	FP-6610-71-2410		Miscellaneous Gasket
FP-6610-41-2810 FP-6610-41-2820		Cam Follower Gasket - 0.80mm Cam Follower Gasket - 0.38mm	FP-6710-71-1611		Tachometer Drive Shaft
FP-6610-41-2830		Cam Follower Gasket - 0.3611111	FP-6710-71-1630		Tachometer Gear
			FP-6710-71-1690		Ball Bearing
LUBE OIL COO			FP-6610-71-2121		Misc. FP-Diesel Bushing
FP-6711-61-5300		Oil Cooler Element 12 1/2" (208149) Oil Press. Reg. Low Pressure	FP-6610-71-2150		AFC Plunger
FP-6712-51-1710 FP-6610-81-4150		Washer	FP-6710-71-2321		Oil Seal
FP-6710-61-5140		Snap Ring	FD 0740 T4 555	FP-3024991	Carrier, Governor Weight
FP-6710-61-5810		Oil Cooler Gasket	FP-6710-71-2831		AFC Plunger
FP-6710-51-4810		Rect. or Square Sealing Ring	FP-6710-71-2892		FI Auto Fuel Control Barrel
				FP-145504	O-Ring
			FP-6710-71-2880	FP-145505	O-Ring O-Ring
			FP-6710-71-2330		Fuel Pump Shaft
			FP-6710-71-2340		Governor Gear
			FP-6710-71-2350		Coupling, Governor AFC
			FP-6710-71-2960		Needle Valve





Komatsu Machine Models D80A-18, D85A-18, D95S-2 - NT855 Cummins Engines

KOMATSU PART NUMBER	CUMMINS PART NUMBER	PART R DESCRIPTION	KOMATSU PART NUMBER	CUMMINS PART NUMBE	PAI R DE
		INJECTION PUMP (CONT'D)	FUEL INJECTO		
FP-6710-71-1410		Fuel Governor Plunger	FP-6711-11-3011		Fuel
FP-6710-71-1420		FP- Diesel Expansion Plug	FP-6710-11-3020		Fuel
FP-6710-71-1430		FP- Diesel Expansion Plug	FP-6711-11-3211		Fuel
FP-6600-08-6181		Transfer Pump Gasket Kit	FP-6710-11-3110		Fuel
	FP-43696A	0-Ring	FP-6710-11-3230		0-Rii
FP-02890-01007	FP-68061A	0-Ring	FP-6710-11-3250		Fuel
	FP-70415	O-Ring	FP-6710-11-3340		Fuel
FP-6610-71-1821		Miscellaneous Gasket	FP-6710-11-3350		Fuel
FP-6610-71-2771		O-Ring	FP-6710-11-3360		Fuel
FP-6610-71-1320		O-Ring	FP-6710-11-3370		Fuel
FP-6610-71-2541		Fuel Pump Gasket	FP-6710-11-3381	FP-3008706	Fuel
FP-6610-71-4240		O-Ring	WATER PUMP 8	R PARTS	
FP-6610-71-4160		O-Ring	FP-6711-61-1101	FP-3801715	Wate
FP-6610-71-2741		O-Ring			(300
FP-6610-71-2750		O-Ring	FP-6711-61-1312	FP-3050394	Wate
FP-6610-71-3520		Rect. or Square Sealing Ring	FP-6711-61-1320	FP-208134	Wate
FP-6610-71-3530		Rect. or Square Sealing Ring	FP-06000-06305	FP-S16073	Ball E
FP-6610-71-2760		Washer	FP-6676-62-1120	FP-S16255	Wate
FP-6610-71-4241		O-Ring	FP-6712-61-1120	FP-112302	Snap
FP-6710-71-2410		Fuel Pump Housing Cover Gasket	FP-6712-61-1130	FP-196844	Wate
FP-6710-71-1910		Oil Seal	FP-6711-61-1150	FP-203097	Wear
	FP-213079	O-Ring	FP-6710-61-1230	FP-130226	Wate
FP-6710-71-3150		O-Ring	FP-6610-61-1511		Wate
FP-6710-71-2740		Ring - Misc. Sealing	FP-6711-61-1330	FP-3038997	Oil S
	FP-3042542	O-Ring	FP-6711-61-1340	FP-3038998	Oil S
	FP-3044942	O-Ring	GASKET SETS		
FP-6610-71-3850		O-Ring	WASKET SETS	FP-3801330	Head
	FP-3046201	O-Ring		FP-3801332	Head
FP-6610-71-2120		Oil Seal		FP-3801451	Head
	FP-3063052	Fuel Pump Housing Cover Gasket		11-3001431	NTC-
	FP-3063053	Miscellaneous Gasket		FP-3801754	Head
	FP-3066914	O-Ring		11 3001734	w/ST
	FP-3067897	Bolt		FP-3014459	Conv
	FP-3069017	Fuel Pump Mounting Gasket		11 0011100	Pisto
	FP-3069103	Fuel Pump Gasket		FP-3801463	Conv
FULE PUMP DR	IVE PARTS				Pisto
FP-02720-20204	FP-S911B	Pipe Plug		FP-3801464	Conv
FP-6610-71-7120	FP-116391	Misc. FP-Diesel Bushing			WITH
FP-6610-71-7241	FP-3026557	Accessory Drive Thrust Washer			
FP-6610-71-7251		Ring - Misc. Sealing			
FP-6711-71-7211	FP-3000171	Accessory Drive Shaft			
FP-6710-71-7311		Fuel Pump Drive Coupling Hub			
FP-6710-71-7520		Wear Sleeve			
FP-6710-71-7810		Accessory Drive Gasket			
FP-6710-71-7860		Washer			
FP-6710-71-7870		Ring - Misc. Sealing			
FP-6710-71-7871		Oil Seal			
FP-6710-71-9130		Fitting			
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Komatsu Machine Models PC650, PC650LC-5, PC650SE-5, HD325-5 - KT/KTA19-KT1150 Cummins Engines

KOMATSU PART NUMBER	CUMMINS PART NUMBE	PART ER DESCRIPTION	KOMATSU PART NUMBER		PART R DESCRIPTION
CYLINDER HE	AD PARTS		CYLINDER BLO	OCK PARTS (CONT'D)
	FP-3022340	Head Gasket	Thin Flange Thickr	ness 0.305" to 0.	306" - Flange Outside Diameter
FP-6720-11-1311	FP-3018818	Valve Guide - Intake & Exhaust	7.400" to 7.402"		-
		(206286, 206907)		FP-3009549	Liner w/Sealing Rings STD Thin
	FP-3201311	Valve Guide - Intake & Exhaust		ED 0007740	Flange w/block #3011409
D 0700 44 4444	ED 007044	(3021693)		FP-3007710	Liner w/o Sealing Ring STD Thin
P-6720-41-4111		Valve, Intake		FP-3014668	Flange w/block #3011409 Sealing Ring, Liner - lower
P-6720-41-4211 P-6720-41-4410		Valve, Exhaust Valve Spring - Intake & Exhaust		FP-3011076	Sealing Ring, Liner - upper
FP-6720-41-4520		Valve Keeper		FP-3081489	Sealing Ring, Liner - appear
FP-6720-11-1140		Valve Reeper Valve Bridge Guide		FP-3014226	Flange Shim .007" use w/both thick
P-6610-41-5620		Screw		001.1220	and thin flanges
P-6710-41-5630		Adjusting Screw Nut		FP-3074559	Flange Shim .008" use w/both thick
P-6720-11-1320		Valve Seat - Int & Exh			and thin flanges
	FP-3026296	Valve Seat - Intake STD		FP-3014228	Flange Shim .009" use w/both thick
	FP-3031098	Valve Seat - Intake .010"			and thin flanges
	FP-3031099	Valve Seat - Intake .020"	FP-6720-21-1411		Camshaft Bearing
	FP-203933	FP- Diesel Expansion Plug	FP-6610-11-1410		Dowel Pin
P-6720-11-1150		FP- Diesel Expansion Plug	FP-6710-11-7150		FP-Diesel Expansion Plug
P-6720-11-1160		FP- Diesel Expansion Plug		FP-203933 FP-3025458	FP-Diesel Expansion Plug Pipe Plug
	FP-3002158	Pipe Plug	FP-6720-21-1711		Bolt, Main Bearing Cap
	FP-3032633	Head Bolt	117-0120-21-1111	FP-3015067	O-Ring - piston cooling nozzle
ROCKER ARM				FP-200861	Washer - hydraulic pump
FP-6710-41-5540		Rocker Arm Socket		FP-3042590	Oil Pan Gasket
	FP-203933	FP- Diesel Expansion Plug		FP-3042588	Oil Pan Adapter Gasket
	FP-3201517	Rocker Housing Gasket		FP-3073213	Oil Pan Adapter Cover Gasket
	FP-3629140	Rocker Lever Gasket	REAR COVER		<u> </u>
		CONNECTION		FP-3006237	Redi-Sleeve - rear
FP-600421-6610	FP-204586	Thermostat 175 degree		FP-3005885	Oil Seal - rear dry
	FP-201737	Thermostat 180 degree		FP-3005886	Oil Seal - rear wet
	FP-3017360	Thermostat 185 degree		FP-205247	O-Ring
D 0740 44 0454	FP-3076489	Thermostat 180 degree		FP-205239	Ring - Misc. Sealing
P-6710-11-6451		Oil Seal Connection Gasket		FP-200861	Washer
	FP-3201783 FP-3010918	Thermostat Gasket	GEAR CASE C	OVER PARTS	
	FP-207058	Miscellaneous Gasket		FP-3006236	Redi-Sleeve - front
P-02893-05043	FP-70624	O-Ring - water bypass tube		FP-3005884	Oil Seal - front - S/N 101153-10746
. 02000 000 10	FP-69760	O-Ring - water transfer tube		FP-3016792	Oil Seal - front - S/N 107469-11737
CYLINDER BLO				FP-3016788	Oil Seal
		0.527" - Flange Outside Diameter	FP-6610-21-3120		Misc. FP- Diesel Bushing
7.409" to 7.411"	11033 0.020 10	0.327 Hange Outside Diameter		FP-3002158	Pipe Plug
	FP-3028434	Liner w/Sealing Rings -		FP-3044762	Miscellaneous Gasket - cover to plate
		STD Thick Flange, w/block #3028130		FP-3007380	Hydraulic Gasket
	FP-3028430	Liner w/Sealing Rings -	CRANKSHAFT		
		.020 Thick Flange, w/block #3028130		FP-217322	Vibration Damper
	FP-3028431	Liner w/Sealing Rings -		FP-AR12270	Main Bearing Set STD
	ED 0000E40	.040 Thick Flange, w/block #3028130		FP-AR12271	Main Bearing Set .010"
	FP-3803510	Liner w/Sealing Rings -		FP-AR12272	Main Bearing Set .020"
	ED 2020422	.060 Thick Flange, w/block #3028130		FP-AR12273	Main Bearing Set .030"
	FP-3028433	Liner w/Sealing Rings095 Thick Flange, w/block #3028130			
	FP-3202240	Liner w/Sealing Rings -			
	11 0202240	STD Thick Flange, 3028122			
	FP-3202241	Liner w/Sealing Rings -			
		.020 Thick Flange			
	FP-3202242	Liner w/Sealing Rings -			
		.040 Thick Flange			
	FP-3074552	Liner w/Sealing Rings -			
	ED 005055	.060 Thick Flange, 3028264			
	FP-3053800	Liner w/Sealing Rings -			
		.095 Thick Flange			
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Komatsu Machine Models PC650, PC650LC-5, PC650SE-5, HD325-5 - KT/KTA19-KT1150 Cummins Engines

KOMATSU PART NUMBER	CUMMINS PART NUMBER	PART R DESCRIPTION	KOMATSU PART NUMBER	CUMMINS PART NUMBER	PART R DESCRIPTION
PISTON & CON	INECTING RO	D PARTS	PRESSURE TIM	IED FUEL INJI	ECTION PUMP & PARTS (CONT'D)
	FP-3026333	Piston Kit w/Pin & Retainers 15.5:1 C/R		FP-3006353	Throttle/Governor Shaft - Yellow -
	FP-3803315	(207330,3009016,3026270) Piston Kit w/Pin & Retainers		FP-3006354	Size 3 Throttle/Governor Shaft - Orange -
	FP-3070707	(3070707 piston) Piston Body w/o Pin 15.5:1 C/R		FP-3006355	Size 4 Throttle/Governor Shaft - Black -
	FP-205200	Piston Pin	ED 0740 74 0000	ED 04 44 44	Size 5
FP-6120-31-2120		Piston Pin Retainer	FP-6710-71-2960 FP-6610-71-1821	FP-214144	Needle Valve
FP-6720-31-3131	FP-3803472	Ring Set, Single Cylinder (AR10680)	FF-0010-11-1021	FP-70705 FP-70815	Miscellaneous Gasket Ring - Misc. Sealing
FP-6720-31-3310		Piston Pin Bushing Connecting Rod Bolt	FP-6610-71-1230		Lock Washer
FF-0/20-31-3310	FP-205840	Rod Bearing Half Upper/Lower STD	11-0010-71-1200	FP-3023870	Miscellaneous Gasket
	FP-205841	Rod Bearing Half Upper/Lower .010"	FP-6684-71-3601		Fuel Pump Filter
	FP-205842	Rod Bearing Half Upper/Lower .020"	FP-6710-71-2740		Ring - Misc. Sealing
	FP-205843	Rod Bearing Half Upper/Lower .030"	FP-6685-82-9370		Bolt
	FP-205844	Rod Bearing Half Upper/Lower .040"		FP-177150	Wear Sleeve - 16 holes
CAMSHAFT			FP-6610-71-1320	FP-100478	0-Ring
UAWISHAFI	FP-3066877	Camshaft		FP-145505	0-Ring
0414 5011 0145				FP-190876	0-Ring
CAM FOLLOWE				FP-3035344	Fuel Pump Valve
	FP-3017961 FP-205492	Push Rod - Injector	FP-6620-71-2610		Fuel Pump Shaft - gear pump drive
	FP-205492 FP-3016825	Push Rod - Intake & Exhaust Injector Cam Roller	FP-6620-71-2631		Fuel Pump Shaft - gear pump idler
	FP-3016826	Cam Follower Roller -	FP-6620-71-2640		Fuel Pump Gear
	11-3010020	Intake & Exhaust Valve Follower	FP-6610-71-2541		Fuel Pump Gasket - gear pump cover
	FP-205068	Fuel Injector Roller Pin		FP-210647	Miscellaneous Gasket -
	FP-205071	Valve Roller Pin	FP-6610-71-2750	ED_151000	gear pump housing O-Ring - damper cover
	FP-3040721	Cam Follower Gasket	FP-6610-71-3520		Rect. or Square Sealing Ring
FP-6610-21-7200		Oil Cap	FP-6610-71-1230		Lock Washer - damper cover spring
	FP-213559	Cam Follower Socket		FP-129768	Fuel Pump Relief Valve Spring
FP-6610-41-2330	FP-107738	Cam Follower Socket	FP-6610-71-4160		0-Ring
LUBE OIL COO	LER & PARTS	•		FP-3054610	Fuel Shutdown Solenoid - 24 Volt
	FP-3201785	Oil Cooler S/N 103070			S/N 101153
	FP-3627295	Oil Cooler S/N 109610	FP-6610-71-4110	FP-134076	Fuel Shutdown Solenoid - 24 Volt
	FP-206973	Oil Cooler Gasket	ED 0740 74 0000	ED 010001	S/N 118227
	FP-3065791	Oil Cooler Core Outer Gasket	FP-6710-71-2330		Tachometer Drive Shaft
	FP-3200550	Oil Cooler Core Inner Gasket	FP-6710-71-1630 FP-6710-71-1910		Tachometer Gear Tachometer Shaft Seal
	FP-145540	0-Ring	FP-6710-71-1910 FP-6710-71-2340		Governor Gear
	FP-178937	O-Ring	FP-6710-71-2340 FP-6710-71-1611		Gear Drive Shaft
	FP-163654	O-Ring	FP-6710-71-2350		Coupling, Governor AFC
	FP-206978	Rect. or Square Sealing Ring	11 0710 71 2000	FP-201745	Thrust Washer
		Pipe Plug		FP-3024991	Carrier, Governor Weight - Iower
PRESSURE TIM		JECTION PUMP & PARTS	FP-6610-71-2150		AFC Plunger
	FP-3009380	Fuel Governor Plunger - Red - Size 0	FP-6610-71-2121	FP-163944	Misc. FP- Diesel Bushing
	FP-3009381	Fuel Governor Plunger - Blue - Size 1 Fuel Governor Plunger - Green -		FP-211633	Governor Shaft & Carrier
	FP-3009382	Size 2		FP-211635	Governor Dowel Pin
	FP-3009383	Fuel Governor Plunger - Yellow -		FP-211636	Governor Gear
	11 0003000	Size 3	FP-6710-71-2410		Fuel Pump Housing Cover Gasket
	FP-3009384	Fuel Governor Plunger - Orange - Size 4		FP-3069103 FP-141631	Fuel Pump Gasket Idler Spring Plunger Button
	FP-3009385	Fuel Governor Plunger - Black - Size 5		FP-140922	S/N 113641 Idler Spring Plunger Button
	FP-3009386	Fuel Governor Plunger - Grey - Size 6		FP-141629	S/N 113641 Idler Spring Plunger Button
	FP-3009387	Fuel Governor Plunger - Purple - Size 7		FP-141632	S/N 113641 Idler Spring Plunger Button
FP-6610-71-1430 FP-6610-71-1451	FP-144302	Fuel Injection Driver Tang Fuel Pump Spacer		FP-141633	S/N 113641 Idler Spring Plunger Button S/N 113641
	FP-3027633 FP-3006350	Fuel Pump Thrust Bearing Throttle/Governor Shaft - Red - Size 0		FP-141634	Idler Spring Plunger Button S/N 113641
	FP-3006351 FP-3006352	Throttle/Governor Shaft - Blue - Size 1 Throttle/Governor Shaft - Green -		FP-3034217	Mechanical Fuel Pump RH S/N 113641 3/4" (3014937)
		Size 2		FP-70790	Bolt - cover
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Komatsu Machine Models PC650, PC650LC-5, PC650SE-5, HD325-5 - KT/KTA19-KT1150 Cummins Engines

KOMATSU PART NUMBER		PART R DESCRIPTION	KOMATSU PART NUMBER	CUMMINS PART NUMBER	PART R DESCRIPTION
		ECTION PUMP & PARTS (CONT'D)	WATER PUMP	& PARTS	
FP-6620-71-2640		Fuel Pump Gear		FP-3017034	Ball Bearing - impeller shaft
FP-6620-71-2631		Fuel Pump Shaft - ilder		FP-S965E	Pipe Plug
FP-6620-71-2610		Fuel Pump Shaft - drive		FP-3002158	Pipe Plug
FP-6610-71-1230		Lock Washer		FP-3201693	Accessory Drive Gasket
	FP-160514	Washer - nylon	FP-02891-02018	FP-43696A	0-Ring
FP-6610-71-2541		Fuel Pump Gasket		FP-69760	0-Ring
	FP-210647	Gear Pump Gasket		FP-3818885	0-Ring
	FP-3033740	Fuel Pump Check Valve	ED 0040 74 7000	FP-205259	Water Pump Shaft
	FP-3025458	Pipe Plug	FP-6610-71-7230		Thrust Washer
ED 0040 74 0774	FP-3046201	0-Ring	FP-6710-71-7520		Wear Sleeve
FP-6610-71-2771		O-Ring		FP-3803153	Water Pump Repair/Rebuild Kit
ED 0040 74 4400	FP-190876	O-Ring		FP-145623	O-Ring
FP-6610-71-4160		O-Ring		FP-205258	Water Pump Retainer Ring
FP-6610-71-4130		Fuel Pump Relief Valve Spring		FP-205288	Water Intake Gasket
	FP-3030970	Fuel Pump Injector Check Valve		FP-205289	Water Outlet Gasket
FD 6640 74 2520	FP-3054610	Fuel Shutdown Solenoid		FP-206948	Oil Seal
FP-6610-71-3520		Rect. or Square Sealing Ring	FD 6640 64 4644	FP-3028291	O-Ring
FP-6610-71-2750 FP-6710-71-2321		O-Ring Oil Seal - drive shaft	FP-6610-61-1511	FP-3029099 FP-3042827	Water Pump Mech. Shaft Seal Water Pump Shaft
FF-0/10-/1-2321	FP-201745	Thrust Washer		FP-3202283	Water Pump Gasket
	FP-201743 FP-201008	Idler Shaft		FP-70183	Water Pump Retainer Ring
FP-6610-71-2150		AFC Plunger		FP-S16002	Ball Bearing
FF-0010-11-2130	FP-211636	Governor Gear		FP-S16069	Ball Bearing
FP-6610-71-2121		Misc. FP- Diesel Bushing		FP-S962E	Drain Cock
FP-6710-71-2410		Fuel Pump Housing Cover Gasket			Diaili Gock
11 0710 71 2410	FP-3010945	Oil Seal	ACCESSORY D		
	FP-141634	Idler Spring Plunger Button	FP-6610-71-7120		Misc. FP-Diesel Bushing
	FP-203346	Idler Guide Spacer	ED CC10 74 70E1	FP-3002158	Pipe Plug
FP-6610-71-2771		0-Ring	FP-6610-71-7251		Ring - Misc. Sealing
FP-6610-71-2741		0-Ring	FD 6740 74 7060	FP-3201693	Accessory Drive Gasket
	FP-70415	0-Ring	FP-6710-71-7860		Washer
FP-6610-71-4110		Fuel Shutdown Solenoid	FP-6610-71-7230	FP-3014103	Washer Thrust Washer
FP-6610-71-3520		Rect. or Square Sealing Ring			
FUEL INJECTO			FP-6610-71-7241 FP-6710-71-7520		Accessory Drive Thrust Washer Wear Sleeve
TOLL INDLOTE	FP-3016675	Fuel Injector - New (3007501)	17-0710-71-7320	FP-3000173	Bolt
	FP-3016676	Fuel Injector - New (3007301)		FP-3000173	Coupling, Accessory Drive
	FP-3003932	Fuel Injector Cup - 90085-7			Coupling, Accessory Drive
	FP-3003932	Fuel Injector Cup - 90085-10	GASKET SETS		
FP-6710-11-3381		Fuel Injector Screen		FP-3022340	Head Gasket
11 0710 11 0001	FP-3010510	O-Ring - top		FP-3803596	Head Gasket Set
	FP-193736	O-Ring		FP-3806597	Head Gasket Set - K19
	FP-205216	0-Ring		FP-3803598	Head Gasket Set - KTA/KTTA19
FP-6710-11-3360		Fuel Injector Roller Pin		FP-3801006	Conversion Gasket Set - K19
0710 11 0000	FP-207245	Fuel Injector Retainer	ED 0000 00 0404	FP-3801007	Conversion Gasket Set - KTA/KTTA19
	FP-3037292	Fuel Injector Plunger & Barrel	FP-6600-08-6181		Transfer Pump Gasket Kit
	FP-205462	Fuel Injection Link		FP-3042590	Oil Pan Gasket
	FP-207244	Ring - Misc. Sealing		FP-3042588	Oil Pan Adapter Gasket



Komatsu Machine Model HD875-3 - KT/KTA38-KT2300 Cummins Engines

KOMATSU PART NUMBER	CUMMINS	PART R DESCRIPTION	KOMATSU DADT NUMBER	CUMMINS	PART R DESCRIPTION
		R DESCRIPTION	PART NUMBER		R DESCRIPTION
CYLINDER HE	FP-3022340	Head Gasket	GEAR CASE CO	FP-3006236	Redi-Sleeve - Front
FP-6720-11-1311		Valve Guide - Intake & Exhaust		FP-3016792	Oil Seal - Front Cranshaft
FP-6720-41-4111		Valve, Intake		FP-3016788	Oil Seal - Accessory Drive
FP-6720-41-4211		Valve, Exhaust	FP-6610-21-3120		Misc. FP-Diesel Bushing -
FP-6720-41-4410		Valve Spring - Intake & Exhaust	11 0010 21 0120	11 102770	accessory drive
FP-6720-41-4520		Valve Keeper	FP-02010-20732	FP-103009	Bolt - 7/16 - 14 x 1 1/8"
FP-6720-11-1140		Valve Bridge Guide	02010 20102	FP-3002158	Pipe Plug
FP-6610-41-5620		Screw		FP-145600	O-Ring
FP-6710-41-5630		Adjusting Screw Nut		FP-3818885	0-Ring (70861)
FP-6720-11-1320		Valve Seat - Exhaust STD		FP-206407	Miscellaneous Gasket
01.20 11 10.20	FP-3026296	Valve Seat - Intake STD		FP-3177160	Gear Cover Gasket
	FP-3031098	Valve Seat - Intake .010"		FP-3178076	Gear Housing Gasket
	FP-3031099	Valve Seat - Intake .020"	CRANKSHAFT	PARTS	<u> </u>
FP-6610-11-1410	FP-68445	Dowel Pin	OHANICOHAI I	FP-AR12250	Main Bearing Set STD
FP-6720-11-1150		FP-Diesel Expansion Plug		FP-AR12251	Main Bearing Set .010"
FP-6720-11-1160		FP-Diesel Expansion Plug		FP-AR12252	Main Bearing Set .020"
	FP-3002158	Pipe Plug	DIOTON A COL		_
	FP-3032633	Head Bolt	PISTON & CON		
				FP-3803314	Piston Kit w/Pin & Retainers
FP-6710-41-5540		Rocker Arm Socket		FP-3070706	14.5:1 (3070706 piston) Piston Body w/o Pin
	FP-203933	FP-Diesel Expansion Plug		FP-3070706 FP-3803315	Piston Kit w/Pin & Retainers
FP-6710-41-5360		Adjusting Screw Nut		1.1.2009919	15.5:1 (3070707 piston)
FP-6610-41-5550		Rocker Lever Adjusting Screw		FP-3070707	Piston Body w/o Pin
	FP-3201517	Rocker Housing Gasket		FP-205200	Piston Pin
	FP-3629140	Rocker Lever Gasket	FP-6120-31-2120		Piston Pin Retainer
AIR INTAKE M	ANIFOLD PAR	RTS	11 0120 01 2120	FP-3803472	Ring Set, Single Cylinder (AR10680)
FP-02010-20732	FP-103009	Bolt - plate to support	FP-6720-31-3131		Piston Pin Bushing (205180, 3000965
	FP-3014304	Misc. Rubber or Plastic Sleeve	11 0720 01 0101	11 00-10000	6720-31-3130)
	FP-3023130	Ring - Misc. Sealing		FP-3013266	Connecting Rod Bolt
	FP-3026421	O-Ring		FP-3047390	Rod Bearing Half Upper/Lower STD
	FP-3011580	Aftercooler Cover Gasket		FP-3047391	Rod Bearing Half Upper/Lower .010'
	FP-3014449	Flange Gasket		FP-3047392	Rod Bearing Half Upper/Lower .020'
	FP-3179026	Miscellaneous Gasket -		FP-3047393	Rod Bearing Half Upper/Lower .030'
		air crossover connection		FP-3047394	Rod Bearing Half Upper/Lower .040'
CYLINDER BLO	OCK PARTS		CAMSHAFT		
	FP-205230	Camshaft Bearing	UAMOTIAL I	FP-3066884	Camshaft - Right Bank
	FP-3007525	Liner w/Sealing Rings STD		FP-3066885	Camshaft - Left Bank
	FP-3022157	Liner w/o Sealing Ring STD		FP-68908	Gasket Lock Plate
	FP-3801268	Liner w/Sealing Rings .030"		FP-3040722	Camshaft Hole Cover Gasket
	FP-3023019	Liner w/o Sealing Ring .030"	OAM FOLLOWS		
	FP-3014668	Sealing Ring, Liner - lower	CAM FOLLOWS		
	FP-3011076	Sealing Ring, Liner - upper	FP-6610-41-2330		Cam Follower Socket
	FP-3081489	Sealing Ring, Liner - crevice		FP-3016825	Injector Cam Roller
	FP-3014226	Flange Shim007"		FP-3016826 FP-205068	Cam Follower Roller Fuel Injector Roller Pin
	FP-3074559	Flange Shim008"		FP-205068 FP-205071	Valve Roller Pin
	FP-3014228	Flange Shim009"		FP-205071 FP-3017961	Push Rod - Injector
	FP-3025483	Main Bearing Cap Bolt		FP-3017961 FP-205492	Push Rod - Valve
	FP-3043211	Oil Pan Gasket			
	FP-3043212	Oil Pan Gasket Adapter	LUBE OIL COO		
	FP-67946	Washer - drain plug		FP-3627295	Oil Cooler (205615)
	FP-67622	Pipe Plug		FP-206021	Oil Cooler Cover Gasket
	FP-3002158	Pipe Plug		FP-3175517	Oil Cooler Gasket -
REAR COVER	PARTS			ED 2000222	Front Water Header Cover Oil Cooler Gasket -
	FP-3006237	Redi-Sleeve - rear		FP-3009323	Front Water Header Cover
	FP-3005887	Oil Seal (Wet)		FP-3009324	Oil Cooler Gasket -
	FP-3016793	Oil Seal (Dry)		11-0003324	Rear Water Header Cover
	FP-207551	O-Ring - dust seal		FP-178937	O-Ring
	FP-3818885	O-Ring		11 110001	O Tilling
	FP-3913994	O-Ring			
FP-02010-20732	FP-103009	Bolt - 7/16 - 14 x 1 1/8"			
	FP-205571	Miscellaneous Gasket - seal retainer			
	FP-206421	Miscellaneous Gasket - rear housing			
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Komatsu Machine Model HD875-3 - KT/KTA38-KT2300 Cummins Engines

				KT/KTA38	3-KT2300 Cummins Engines
KOMATSU PART NUMBER		PART R DESCRIPTION	KOMATSU PART NUMBER		PART ER DESCRIPTION
FUEL SHUTDO			WATER PUMP		
FP-6610-71-4160	FP-3035344 FP-3013036 FP-3054610 FP-129888 FP-190876	Fuel Pump Valve Fuel Pump Shaft Fuel Shutdown Solenoid O-Ring O-Ring		FP-S16054 FP-70183 FP-206193 FP-206455 FP-206457	Ball Bearing Water Pump Retainer Ring Water Pump Gasket Water Pump Gasket O-Ring
FP-6610-71-3520 FP-6610-71-4130	FP-154087 FP-129768	Rect. or Square Sealing Ring Fuel Pump Relief Valve Spring Lock Washer	FP-6610-71-7230 FP-6620-41-1150	FP-3007512 FP-3026556	O-Ring Thrust Washer
FP-6610-71-1230		LOCK WASHEI	FP-02010-20732	FP-103009	Pipe Plug Bolt
FUEL MANIFO	FP-3002150 FP-3801403 FP-131026 FP-145507 FP-3001340	Ring - Misc. Sealing Manifold Gasket Set (3014205) O-Ring O-Ring O-Ring	ACCESSORY D	FP-206416 FP-206460 FP-3179035 FP-100478	Water Pump Gasket Miscellaneous Gasket Miscellaneous Gasket O-Ring
	FP-3818885	0-Ring		FP-3000174	Coupling, Accessory Drive
FUEL INJECTO	PP-3016675 FP-3037292 FP-3003933	Fuel Injector - New Fuel Injector Plunger & Barrel (3016671) Fuel Injector Cup	FP-6610-71-7120 FP-6710-71-7860 FP-6610-71-7230 FP-6610-71-7241	FP-116391 FP-170664 FP-3014103 FP-3026556	Misc. FP- Diesel Bushing Washer Washer Thrust Washer (116388) Accessory Drive Thrust Washer
FP-6710-11-3381 FP-6710-11-3230	FP-205462 FP-207244 FP-207245	Fuel Injector Screen Fuel Injection Link Ring - Misc. Sealing Fuel Injector Retainer O-Ring	FP-6710-71-7520 FP-6610-71-7251	FP-190397 FP-3200287 FP-3046852	(116389) Wear Sleeve Ring - Key Way (181236) Accessory Drive Gasket
FUEL PUMP HO	FP-205216 FP-3010510	O-Ring O-Ring	THERMOSTAT		
FP-6710-71-2960	FP-214144	Needle Valve	FP-6004-21-6610		Thermostat 175 Degree
FP-6710-71-1430 FP-6710-71-8320 FP-6685-82-9370 FP-6610-71-1821 FP-6610-71-1230 FP-6610-71-1451 FP-6684-71-3601	FP-3009380 FP-70690 FP-70772 FP-S2286 FP-70705 FP-70815 FP-181466 FP-144302 FP-146483	Fuel Governor Plunger Fuel Injection Driver Tang Bolt Bolt Miscellaneous Gasket Ring - Misc. Sealing Lock Washer Fuel Pump Spacer Fuel Pump Filter	FP-6710-11-6451	FP-206443 FP-206446 FP-207515 FP-67622 FP-69760	Thermostat 180 Degree Thermostat 185 Degree Thermostat 180 Degree Thermostat Seal Thermostat Housing Gasket Miscellaneous Gasket - Water Tube Miscellaneous Gasket Pipe Plug 3/8" O-Ring
FP-6610-71-1320		O-Ring	AIR COMPRES		Distant Vit/Dis 9 Diss CTD
FP-6610-71-2150 FP-6710-71-1690 FP-6610-71-2121 FP-6710-71-2410	FP-162426 FP-211635 FP-211636 FP-211633 FP-144178 FP-S16052 FP-163944	V/S MAIN SHAFT Adapter AC Drive Spider Governor Dowel Pin Governor Gear Governor Shaft & Carrier AFC Plunger Ball Bearing Misc. FP-Diesel Bushing Fuel Pump Housing Cover Gasket Fuel Pump Gasket Ring - Misc. Sealing Thrust Washer		FP-3801740 FP-3801741 FP-3801742 FP-3801743 FP-3045670 FP-3045671 FP-3045672 FP-3045673 FP-119810 FP-3558754 FP-AR73350 FP-650330 FP-187350	Piston Kit w/Pin & Ring - STD Piston Kit w/Pin & Ring010" Piston Kit w/Pin & Ring020" Piston Kit w/Pin & Ring030" Piston Body w/o Pin - STD Piston Body w/o Pin010" Piston Body w/o Pin020" Piston Body w/o Pin030" Piston Body w/o Pin030" Piston Pin Piston Pin Retainer Ring Set, Single Cylinder Ring, Compression - Top Ring, Compression - Second Groove
FP-6610-71-1230 FP-6610-71-2541 FP-6610-71-1890 FP-6610-71-2750 FP-6610-71-2771 FP-6610-71-2741	FP-110855 FP-175836 FP-151900 FP-100099	Mechanical Fuel Pump RH 1 1/4" (3014941) Fuel Pump Gear Fuel Pump Shaft Fuel Pump Shaft Lock Washer Fuel Pump Gasket Fuel Pump Check Valve O-Ring O-Ring O-Ring		FP-180810 FP-127950 FP-199347 FP-3069102 FP-3069103 FP-128080 FP-190334 FP-150631 FP-127940	Ring, Oil Control Miscellaneous Gasket Air Compressor Gasket - Supprt to Cover Air Compressor Gasket - Housing to Support Fuel Pump Gasket Air Compressor Spring Air Compressor Spring Air Compressor Spring - unloader Air Compressor Valve - Exhaust
FP-6610-71-2750 FP-6610-71-2771	FP-151900 FP-100099	O-Ring O-Ring		FP-190334 FP-150631	Air Compressor Spring Air Compressor Spring - L





Komatsu Machine Model HD875-3 - KT/KTA38-KT2300 Cummins Engines

KOMATSU PART NUMBER	CUMMINS PART NUMBER	PART DESCRIPTION	KOMATSU PART NUMBER	CUMMINS PART NUMBER	PART DESCRIPTION
AIR COMPRES	SOR PARTS (C	ONT'D)	GASKET SETS		
	FP-144948	Air Compressor Valve - Intake		FP-3803596	Head Gasket Set -
	FP-144714	Air Compressor Valve Seat -			Single Cylinder Head
		Exhaust .			Head Gasket Set -
	FP-145028	Air Compressor Valve Seat - Intake			Upper Set (3801720)
	FP-191037	Air Compressor Cap - unloader		FP-3801896	Head Gasket Set - Upper Set
	FP-184240	Air Compressor Cap - unloader valve			(Uprate)
	FP-127936	Air Compressor Seal Ring		FP-3801719	Conversion Gasket Set
	FP-183429	Air Compressor Wear Plate		FP-3043212	Oil Pan Gasket
	FP-211662	Thrust Washer			
	FP-147610	Misc. FP- Diesel Bushing			
	FP-128086	0-Ring			
	FP-145530	0-Ring			
	FP-211315	0-Ring			
	FP-163654	0-Ring			
	FP-128085	0-Ring			
	FP-3015068	Air Compressor Seal Ring			
	FP-3009738	Air Compressor Seal Ring			





Kit Number: FP-IFK-4D95L

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK2121	4		Cylinder Kit Complete	Build no. L-1, L-1C, L-1G, L-1K, L-1L, L-1Z
FP-LK2161	4		Cylinder Kit Complete	Build no. 1AA, 1BB, 1CC
FP-LK332140	4		Cylinder Kit Complete	Build no. W1A, W1B, W1E
FP-6207-31-3300	4	Std.	Rod Bearing Pair	
FP-6207-39-3300	4	.25MM	Rod Bearing Pair	
FP-6207-38-3300	4	.50MM	Rod Bearing Pair	
FP-6207-37-3300	4	.75MM	Rod Bearing Pair	
FP-6207-36-3300	4	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	5	Std.	Flanged Main Bearing	
FP-6204-29-8100	5	.25MM	Flanged Main Bearing	
FP-6204-28-8100	5	.50MM	Flanged Main Bearing	
FP-6204-27-8100	5	.75MM	Flanged Main Bearing	
FP-6204-26-8100	5	1.00MM	Flanged Main Bearing	
FP-6204-21-8600	1	Std.	Thrust Washer	
FP-6204-29-8600	1	.25MM	Thrust Washer	
FP-6204-28-8600	1	.50MM	Thrust Washer	
FP-6204-27-8600	1	.75MM	Thrust Washer	
FP-6204-26-8600	1	1.00MM	Thrust Washer	
FP-6204-K1-9901	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sealant)	

				Kit Number: FP-IFK-4D95LE
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK312141	4		Cylinder Kit Complete	Build no. 1W, 1BW, 1FF, 1GG
FP-LK332141	4		Cylinder Kit Complete	Build no. 2A, 2B, 2C
FP-6207-31-3300	4	Std.	Cylinder Kit Complete	
FP-6207-39-3300	4	.25MM	Rod Bearing Pair	
FP-6207-38-3300	4	.50MM	Rod Bearing Pair	
FP-6207-37-3300	4	.75MM	Rod Bearing Pair	
FP-6207-36-3300	5	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	5	Std.	Flanged Main Bearing	
FP-6204-29-8100	5	.25MM	Flanged Main Bearing	
FP-6204-28-8100	5	.50MM	Flanged Main Bearing	
FP-6204-27-8100	5	.75MM	Flanged Main Bearing	
FP-6204-26-8100	1	1.00MM	Flanged Main Bearing	
FP-6204-21-8600	1	Std.	Thrust Washer	
FP-6204-29-8600	1	.25MM	Thrust Washer	
FP-6204-28-8600	1	.50MM	Thrust Washer	
FP-6204-27-8600	1	.75MM	Thrust Washer	
FP-6204-26-8600	1	1.00MM	Thrust Washer	
FP-6204-K1-0901	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sea	alant)





Kit Number: FP-IFK-4D95S

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK2160	4		Cylinder Kit Complete	Build no. 1H, 1J; Eng. Ser. No. 124813-Up
FP-LK322140	4		Cylinder Kit Complete	Build no. W-1F, W-1G; Eng. Ser. No. 23318-Up
FP-6207-31-3300	4	Std.	Rod Bearing Pair	
FP-6207-39-3300	4	.25MM	Rod Bearing Pair	
FP-6207-38-3300	4	.50MM	Rod Bearing Pair	
FP-6207-37-3300	4	.75MM	Rod Bearing Pair	
FP-6207-36-3300	4	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	5	Std.	Flanged Main Bearing	
FP-6204-29-8100	5	.25MM	Flanged Main Bearing	
FP-6204-28-8100	5	.50MM	Flanged Main Bearing	
FP-6204-27-8100	5	.75MM	Flanged Main Bearing	
FP-6204-26-8100	5	1.00MM	Flanged Main Bearing	
FP-6204-21-8600	1	Std.	Thrust Washer	
FP-6204-29-8600	1	.25MM	Thrust Washer	
FP-6204-28-8600	1	.50MM	Thrust Washer	
FP-6204-27-8600	1	.75MM	Thrust Washer	
FP-6204-26-8600	1	1.00MM	Thrust Washer	
FP-6202-K1-9901	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone se	alant)



Kit Number: FP-IFK-S4D95L

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COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK72121	4		Cylinder Kit Complete	Build no. 1J, 1K, 1M
FP-LK72141	4		Cylinder Kit Complete	Build no. 1A, 1B, 1G
FP-6207-31-3300	4	Std.	Rod Bearing Pair	Build no. 1J, 1K, 1M
FP-6207-39-3300	4	.25MM	Rod Bearing Pair	Build no. 1J, 1K, 1M
FP-6207-38-3300	4	.50MM	Rod Bearing Pair	Build no. 1J, 1K, 1M
FP-6207-37-3300	4	.75MM	Rod Bearing Pair	Build no. 1J, 1K, 1M
FP-6207-36-3300	4	1.00MM	Rod Bearing Pair	Build no. 1J, 1K, 1M
FP-6207-31-3600	4	Std.	Rod Bearing Pair	Build no. 1A, 1B, 1G
FP-6207-39-3600	4	.25MM	Rod Bearing Pair	Build no. 1A, 1B, 1G
FP-6207-38-3600	4	.50MM	Rod Bearing Pair	Build no. 1A, 1B, 1G
FP-6207-37-3600	4	.75MM	Rod Bearing Pair	Build no. 1A, 1B, 1G
FP-6207-36-3600	4	1.00MM	Rod Bearing Pair	Build no. 1A, 1B, 1G
FP-6204-21-8100	5	Std.	Flanged Main Bearing	
FP-6204-29-8100	5	.25MM	Flanged Main Bearing	
FP-6204-28-8100	5	.50MM	Flanged Main Bearing	
FP-6204-27-8100	5	.75MM	Flanged Main Bearing	
FP-6204-26-8100	5	1.00MM	Flanged Main Bearing	
FP-6204-21-8600	1	Std.	Thrust Washer	
FP-6204-29-8600	1	.25MM	Thrust Washer	
FP-6204-28-8600	1	.50MM	Thrust Washer	
FP-6204-27-8600	1	.75MM	Thrust Washer	
FP-6204-26-8600	1	1.00MM	Thrust Washer	
FP-6205-K1-2104	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sealant)	



Kit Number: FP-IFK-S4D95LE

Kit Number: FP-IFK-6D95L

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK2190	4		Cylinder Kit Complete	
FP-6207-31-3600	4	Std.	Rod Bearing Pair	
FP-6207-39-3600	4	.25MM	Rod Bearing Pair	
FP-6207-38-3600	4	.50MM	Rod Bearing Pair	
FP-6207-37-3600	4	.75MM	Rod Bearing Pair	
FP-6207-36-3600	4	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	5	Std.	Flanged Main Bearing	
FP-6204-29-8100	5	.25MM	Flanged Main Bearing	
FP-6204-28-8100	5	.50MM	Flanged Main Bearing	
FP-6204-27-8100	5	.75MM	Flanged Main Bearing	
FP-6204-26-8100	5	1.00MM	Flanged Main Bearing	
FP-6204-21-8600	1	Std.	Thrust Washer	
FP-6204-29-8600	1	.25MM	Thrust Washer	
FP-6204-28-8600	1	.50MM	Thrust Washer	
FP-6204-27-8600	1	.75MM	Thrust Washer	
FP-6204-26-8600	1	1.00MM	Thrust Washer	
FP-6204-K1-0901	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone se	ealant)

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK2121	6		Cylinder Kit Complete	Build no. 1A, 1B, 1C, 1L, 1Z, 1AA, 1BB
FP-LK332140	6		Cylinder Kit Complete	Build no. 1AC-E, 1V V, 1HH
FP-LK332141	6		Cylinder Kit Complete	Build no. 1AF-1
FP-6207-31-3300	6	Std.	Rod Bearing Pair	
FP-6207-39-3300	6	.25MM	Rod Bearing Pair	
FP-6207-38-3300	6	.50MM	Rod Bearing Pair	
FP-6207-37-3300	6	.75MM	Rod Bearing Pair	
FP-6207-36-3300	6	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	7	Std.	Flanged Main Bearing	
FP-6204-29-8100	7	.25MM	Flanged Main Bearing	
FP-6204-28-8100	7	.50MM	Flanged Main Bearing	
FP-6204-27-8100	7	.75MM	Flanged Main Bearing	
FP-6204-26-8100	7	1.00MM	Flanged Main Bearing	
FP-6204-21-8500	1	Std.	Thrust Washer	
FP-6204-29-8500	1	.25MM	Thrust Washer	
FP-6204-28-8500	1	.50MM	Thrust Washer	
FP-6204-27-8500	1	.75MM	Thrust Washer	
FP-6204-26-8500	1	1.00MM	Thrust Washer	

Dozer, Wheel Loader, Excavator

Grader

Head Gasket Set

Head Gasket Set

Oil Pan Gasket

FP-6206-K1-9901

FP-6207-K1-9901

FP-6206-21-5812

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Kit Number: FP-IFK-S6D95L

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK2120	6	FART SIZE	Cylinder Kit Complete	Build no. 1B, 1C, 1D, 1L, 1M, 1P, 1Q, 1W
FP-LK32180	6		Cylinder Kit Complete	Build no. 1MM, 1MM-C
FP-LK72121	6		Cylinder Kit Complete	Build no. 1NN-18, 1PP-25
FP-LK72141	6		Cylinder Kit Complete	Build no. 1U, 1U-C, 1GG, 1JJ, 1KK
FP-6207-31-3300	6	Std.	Rod Bearing Pair	Dulla 110. 10, 10 0, 100, 1100, 1100
FP-6207-39-3300	6	.25MM	Rod Bearing Pair	
FP-6207-38-3300	6	.50MM	Rod Bearing Pair	
FP-6207-37-3300	6	.75MM	Rod Bearing Pair	
FP-6207-36-3300	6	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	7	Std.	Flanged Main Bearing	
FP-6204-29-8100		.25MM	Flanged Main Bearing	
FP-6204-28-8100	7	.50MM	Flanged Main Bearing	
FP-6204-27-8100	7	.75MM	Flanged Main Bearing	
FP-6204-26-8100	7	1.00MM	Flanged Main Bearing	
FP-6204-21-8500	1	Std.	Thrust Washer	
FP-6204-29-8500	1	.25MM	Thrust Washer	
FP-6204-28-8500	1	.50MM	Thrust Washer	
FP-6204-27-8500	1	.75MM	Thrust Washer	
FP-6204-26-8500	1	1.00MM	Thrust Washer	
FP-6207-K1-9901	1		Head Gasket Set	Grader
FP-1816593	1		Oil Pan Gasket (silicone sealant)	

				Kit Number: FP-IFK-SA6D95L
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK92141	6		Cylinder Kit Complete	Build no. 1, 1C PC2XX-5 models; Eng ser no. 35398-Up
FP-LK92180	6		Cylinder Kit Complete	Build no. 1, 1C PC2XX-6 models; Eng ser no. 111870-Up
FP-6207-31-3300	6	Std.	Rod Bearing Pair	
FP-6207-39-3300	6	.25MM	Rod Bearing Pair	
FP-6207-38-3300	6	.50MM	Rod Bearing Pair	
FP-6207-37-3300	6	.75MM	Rod Bearing Pair	
FP-6207-36-3300	6	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	7	Std.	Flanged Main Bearing	
FP-6204-29-8100	7	.25MM	Flanged Main Bearing	
FP-6204-28-8100	7	.50MM	Flanged Main Bearing	
FP-6204-27-8100	7	.75MM	Flanged Main Bearing	
FP-6204-26-8100	7	1.00MM	Flanged Main Bearing	
FP-6204-21-8500	1	Std.	Thrust Washer	
FP-6204-29-8500	1	.25MM	Thrust Washer	
FP-6204-28-8500	1	.50MM	Thrust Washer	
FP-6204-27-8500	1	.75MM	Thrust Washer	
FP-6204-26-8500	1	1.00MM	Thrust Washer	
FP-6207-K1-9901	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sea	alant)



Kit Number: FP-IFK-SAA6D95L

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK92180	4		Cylinder Kit Complete	Build no. 1A, 1A-C, 1B
FP-6207-31-3600	4	Std.	Rod Bearing Pair	
FP-6207-39-3600	4	.25MM	Rod Bearing Pair	
FP-6207-38-3600	4	.50MM	Rod Bearing Pair	
FP-6207-37-3600	4	.75MM	Rod Bearing Pair	
FP-6207-36-3600	4	1.00MM	Rod Bearing Pair	
FP-6204-21-8100	4	Std.	Flanged Main Bearing	
FP-6204-29-8100	5	.25MM	Flanged Main Bearing	
FP-6204-28-8100	5	.50MM	Flanged Main Bearing	
FP-6204-27-8100	5	.75MM	Flanged Main Bearing	
FP-6204-26-8100	5	1.00MM	Flanged Main Bearing	
FP-6204-21-8500	5	Std.	Thrust Washer	
FP-6204-29-8500	1	.25MM	Thrust Washer	
FP-6204-28-8500	1	.50MM	Thrust Washer	
FP-6204-27-8500	1	.75MM	Thrust Washer	
FP-6204-26-8500	1	1.00MM	Thrust Washer	
FP-6207-K1-9901	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone se	ealant)

Kit Number: FP-IFK-S4D102EA

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6731-31-2290	4		Single Cylinder Ring Set	D32E-1,P-1 Eng Ser No. 75718-Up;
FP-6731-31-2190	4		Piston Kit w/Pin & Retainers	D32E-1A,P-1A Eng Ser No. 76093-Up
FP-6735-31-2040	4		Single Cylinder Ring Set	D32E-1,P-1; Eng Ser No. 75501-75717; D38E-1,
FP-6735-31-2070	4		Piston Kit w/Pin & Retainers	P-1 Eng Ser No. 85501-85798; D39E-1,P-1; Eng Ser No. 95501-95871
FP-PK8673	4		Piston w/Pin, Retainer & Rings	D31E-20 Eng Ser No. 40087-Up & A40523-Up; D31P-20A Eng Ser No. 45001-Up; D37E-5 Eng Ser No. 1606-Up & A1924-Up; D37P-5A Eng Ser No. 1543-Up; D38E-1,P-1 Eng Ser No. 85799-Up; D38E-1A,P-1A Eng Ser No. 86239-Up; D39E-1,P-1 Eng Ser No. 95872-Up; D39E-1A,P-1a Eng Ser No. 96338-Up
FP-6732-31-3411	8	Std.	Single Rod Bearing	
FP-6736-39-3400	8	.25MM	Single Rod Bearing	
FP-6736-38-3400	8	.50MM	Single Rod Bearing	
FP-6736-37-3400	8	.75MM	Single Rod Bearing	
FP-6736-36-3400	8	1.00MM	Single Rod Bearing	
FP-6732-29-8110	1	Std.	Main Bearing Set	
FP-6732-28-8100	1	.25MM	Main Bearing Set	
FP-6732-27-8100	1	.50MM	Main Bearing Set	
FP-6732-26-8100	1	.75MM	Main Bearing Set	
FP-6732-25-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sealant)	



				Kit Number: FP-IFK-S4D102EB
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6736-31-2030	4		Single Cylinder Ring Set	WA120-C model Ser No A20001-Up
FP-6735-01-3110	4		Piston Kit w/Pin & Retainers	
FP-PK8673	4		Piston w/Pin, Retainer & Rings	WA120-3 Avance Plus model Ser A31001-Up; WA120-3L model Ser A30001-Up; 1AA. 1AE Eng Ser no 26213103-Up; 1D, 1E, 1F-US, 1V, 1-NL Eng Ser no 26200163-Up; 1B Eng Ser no 26200282-Up
FP-6732-31-3411	8	Std.	Single Rod Bearing	
FP-6736-39-3400	8	.25MM	Single Rod Bearing	
FP-6736-38-3400	8	.50MM	Single Rod Bearing	
FP-6736-37-3400	8	.75MM	Single Rod Bearing	
FP-6736-36-3400	8	1.00MM	Single Rod Bearing	
FP-6732-29-8110	1	Std.	Main Bearing Set	
FP-6732-28-8100	1	.25MM	Main Bearing Set	
FP-6732-27-8100	1	.50MM	Main Bearing Set	
FP-6732-26-8100	1	.75MM	Main Bearing Set	
FP-6732-25-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sealant)	

				Kit Number: FP-IFK-SA4D102E
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6733-31-2110	4		Piston Kit w/Retainers & Rings	1AA, 1AC Eng Ser No. 21240928-Up;
FP-6731-31-2410	4		Piston Pin	1AE Eng Ser No. 26213103-Up
FP-PK8673	8		Piston w/Pin, Retainer & Rings	Build 1AB, Model PW170ES-K 24271444-Up;Build 1AB, Model PW170ES-6K-KA 21240928-Up;
FP-6732-31-3411	8	Std.	Single Rod Bearing	
FP-6736-39-3400	8	.25MM	Single Rod Bearing	
FP-6736-38-3400	8	.50MM	Single Rod Bearing	
FP-6736-37-3400	8	.75MM	Single Rod Bearing	
FP-6736-36-3400	1	1.00MM	Single Rod Bearing	
FP-6732-29-8110	1	Std.	Main Bearing Set	
FP-6732-28-8100	1	.25MM	Main Bearing Set	
FP-6732-27-8100	1	.50MM	Main Bearing Set	
FP-6732-26-8100	1	.75MM	Main Bearing Set	
FP-6732-25-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sealant)	



Kit Number: FP-IFK-SAA4D102E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-PK8673	4		Piston w/Pin, Retainer & Rings	
FP-6732-31-3411	8	Std.	Single Rod Bearing	
FP-6736-39-3400	8	.25MM	Single Rod Bearing	
FP-6736-38-3400	8	.50MM	Single Rod Bearing	
FP-6736-37-3400	8	.75MM	Single Rod Bearing	
FP-6736-36-3400	8	1.00MM	Single Rod Bearing	
FP-6732-29-8110	1	Std.	Main Bearing Set	
FP-6732-28-8100	1	.25MM	Main Bearing Set	
FP-6732-27-8100	1	.50MM	Main Bearing Set	
FP-6732-26-8100	1	.75MM	Main Bearing Set	
FP-6732-25-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-1816593	1		Oil Pan Gasket (silicone sealant)	

Kit Number: FP-IFK-S6D102

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6736-31-2030	6		Single Cylinder Ring Set	
FP-6735-01-3110	6		Piston Kit w/Pin & Retainers	
FP-6732-31-3411	12	Std.	Single Rod Bearing	
FP-6736-39-3400	12	.25MM	Single Rod Bearing	
FP-6736-38-3400	12	.50MM	Single Rod Bearing	
FP-6736-37-3400	12	.75MM	Single Rod Bearing	
FP-6736-36-3400	12	1.00MM	Single Rod Bearing	
FP-6735-21-8100	1	Std.	Main Bearing Set	
FP-6736-29-8100	1	.25MM	Main Bearing Set	
FP-6736-28-8100	1	.50MM	Main Bearing Set	
FP-6736-27-8100	1	.75MM	Main Bearing Set	
FP-6736-26-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-6735-21-5661	1		Oil Pan Gasket	





Kit Number: FP-IFK-SA6D102

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6736-31-2010	6		Piston Kit w/Retainers & Rings	
FP-6731-31-2410	6		Piston Pin	
FP-6732-31-3411	12	Std.	Single Rod Bearing	
FP-6736-39-3400	12	.25MM	Single Rod Bearing	
FP-6736-38-3400	12	.50MM	Single Rod Bearing	
FP-6736-37-3400	12	.75MM	Single Rod Bearing	
FP-6736-36-3400	12	1.00MM	Single Rod Bearing	
FP-6735-21-8100	1	Std.	Main Bearing Set	
FP-6736-29-8100	1	.25MM	Main Bearing Set	
FP-6736-28-8100	1	.50MM	Main Bearing Set	
FP-6736-27-8100	1	.75MM	Main Bearing Set	
FP-6736-26-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-6735-21-5661	1		Oil Pan Gasket	

				Kit Number: FP-IFK-S6D102E
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6736-31-2010	6		Piston Kit w/Retainers & Rings	1AA Eng Ser No. 2118000-Up Exc. PC210
FP-6731-31-2410	6		Piston Pin	Models
FP-6735-01-3110	6		Piston Kit w/Pin & Retainers	Build 1; GD530A-1, AW-1; 1AA Eng Ser No.
FP-6736-31-2030	6		Single Cylinder Ring Set	2118000-Up PC210 Models
FP-PK8673	6		Piston w/Pin, Retainer & Rings	Build 1 GD530A-2B, A2-C, AW2, AW2-C, Build 1T GD521A-1E; 1C, 1C-z, 1C-US, 1F, 1FL-S2, 1AB, 1AC; All Dozers; All Wheel Loaders
FP-6732-31-3411	12	Std.	Single Rod Bearing	
FP-6736-39-3400	12	.25MM	Single Rod Bearing	
FP-6736-38-3400	12	.50MM	Single Rod Bearing	
FP-6736-37-3400	12	.75MM	Single Rod Bearing	
FP-6736-36-3400	12	1.00MM	Single Rod Bearing	
FP-6735-21-8100	1	Std.	Main Bearing Set	
FP-6736-29-8100	1	.25MM	Main Bearing Set	
FP-6736-28-8100	1	.50MM	Main Bearing Set	
FP-6736-27-8100	1	.75MM	Main Bearing Set	
FP-6736-26-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-6735-21-5661	1		Oil Pan Gasket	



Kit Number: FP-IFK-SA6D102E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6733-31-2110	6		Piston Kit w/Retainers & Rings	PC270, PC290; 1-GD Grader; Exc Wheel
FP-6731-31-2410	6		Piston Pin	Loaders
FP-PK8673	6		Piston w/Pin, Retainer & Rings	Wheel Loaders; Build 1 Eng Ser No. 21296537-Up Exc. PC270,PC290; 1C Eng Ser No. 26200467-Up Exc PC270,PC290
FP-6732-31-3411	12	Std.	Single Rod Bearing	
FP-6736-39-3400	12	.25MM	Single Rod Bearing	
FP-6736-38-3400	12	.50MM	Single Rod Bearing	
FP-6736-37-3400	12	.75MM	Single Rod Bearing	
FP-6736-36-3400	12	1.00MM	Single Rod Bearing	
FP-6735-21-8100	1	Std.	Main Bearing Set	
FP-6736-29-8100	1	.25MM	Main Bearing Set	
FP-6736-28-8100	1	.50MM	Main Bearing Set	
FP-6736-27-8100	1	.75MM	Main Bearing Set	
FP-6736-26-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-6735-21-5661	1		Oil Pan Gasket	

Kit Number: FP-IFK-SAA6D102E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6738-31-2031	6		Single Cylinder Ring Set	
FP-6738-31-2140	6		Piston Kit w/Pin & Retainers	
FP-6732-31-3411	12	Std.	Single Rod Bearing	
FP-6736-39-3400	12	.25MM	Single Rod Bearing	
FP-6736-38-3400	12	.50MM	Single Rod Bearing	
FP-6736-37-3400	12	.75MM	Single Rod Bearing	
FP-6736-36-3400	12	1.00MM	Single Rod Bearing	
FP-6735-21-8100	1	Std.	Main Bearing Set	
FP-6736-29-8100	1	.25MM	Main Bearing Set	
FP-6736-28-8100	1	.50MM	Main Bearing Set	
FP-6736-27-8100	1	.75MM	Main Bearing Set	
FP-6736-26-8100	1	1.00MM	Main Bearing Set	
FP-6731-11-9990	1		Head Gasket Set	
FP-6735-21-5661	1		Oil Pan Gasket	





Kit Number: FP-IFK-4D105A

OMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
P-LK322110	4		Cylinder Kit Complete	Eng Ser No. 106581 to 152519
P-LK362120	4		Cylinder Kit Complete	Eng Ser No. 152520-Up
P-6138-31-3040	4	Std.	Rod Bearing Pair	
P-6138-39-3040	4	.25MM	Rod Bearing Pair	
P-6138-38-3040	4	.50MM	Rod Bearing Pair	
P-6138-37-3040	4	.75MM	Rod Bearing Pair	
P-6138-36-3040	4	1.00MM	Rod Bearing Pair	
P-6136-21-8010	4	Std.	Flanged Main Bearing	
P-6136-29-8010	5	.25MM	Flanged Main Bearing	
P-6136-28-8010	5	.50MM	Flanged Main Bearing	
P-6136-27-8010	5	.75MM	Flanged Main Bearing	
-6136-26-8010	5	1.00MM	Flanged Main Bearing	
-6134-21-8050	5	Std.	Thrust Washer	
P-6134-29-8050	1	.25MM	Thrust Washer	
P-6134-28-8050	1	.50MM	Thrust Washer	
P-6134-27-8050	1	.75MM	Thrust Washer	
P-6134-26-8050	1	1.00MM	Thrust Washer	
P-6134-K1-9901	1		Head Gasket Set	
-6134-21-5830	1		Oil Pan Gasket	

				Kit Number: FP-IFK-4D105B
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK302110	4		Cylinder Kit Complete	Build 3C Eng Ser No. 40138-Up
FP-6130-31-3041	4	Std.	Rod Bearing Pair	
FP-6130-39-3041	4	.25MM	Rod Bearing Pair	
FP-6130-38-3041	4	.50MM	Rod Bearing Pair	
FP-6130-37-3041	4	.75MM	Rod Bearing Pair	
FP-6130-36-3041	4	1.00MM	Rod Bearing Pair	
FP-6130-21-8011	3	Std.	Flanged Main Bearing	1-2-4
FP-6130-21-8021	2	Std.	Flanged Main Bearing	3-5
FP-6130-29-8101	1	.25MM	Main Bearing Set	
FP-6130-28-8101	1	.50MM	Main Bearing Set	
FP-6130-27-8101	1	.75MM	Main Bearing Set	
FP-6130-26-8101	1	1.00MM	Main Bearing Set	
FP-6130-21-8500	1	Std.	Thrust Washer	
FP-6130-29-8500	1	.25MM	Thrust Washer	
FP-6130-28-8500	1	.50MM	Thrust Washer	
FP-6130-27-8500	1	.75MM	Thrust Washer	
FP-6130-26-8500	1	1.00MM	Thrust Washer	
FP-6131-K1-9901	1		Head Gasket Set	
FP-6130-21-5812	1		Oil Pan Gasket	



Kit Number: FP-IFK-S4D105A

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK312110	4		Cylinder Kit Complete	1B, 1C, 2B, 2C Dozers
FP-LK322120	4		Cylinder Kit Complete	3B, 3C Dozers
FP-6130-31-3041	4	Std.	Rod Bearing Pair	
FP-6130-39-3041	4	.25MM	Rod Bearing Pair	
FP-6130-38-3041	4	.50MM	Rod Bearing Pair	
FP-6130-37-3041	4	.75MM	Rod Bearing Pair	
FP-6130-36-3041	4	1.00MM	Rod Bearing Pair	
FP-6130-21-8011	3	Std.	Flanged Main Bearing	1-2-4
FP-6130-21-8021	2	Std.	Flanged Main Bearing	3-5
FP-6130-29-8101	1	.25MM	Main Bearing Set	
FP-6130-28-8101	1	.50MM	Main Bearing Set	
FP-6130-27-8101	1	.75MM	Main Bearing Set	
FP-6130-26-8101	1	1.00MM	Main Bearing Set	
FP-6130-21-8500	1	Std.	Thrust Washer	
FP-6130-29-8500	1	.25MM	Thrust Washer	
FP-6130-28-8500	1	.50MM	Thrust Washer	
FP-6130-27-8500	1	.75MM	Thrust Washer	
FP-6130-26-8500	1	1.00MM	Thrust Washer	
FP-6131-K1-9901	1		Head Gasket Set	
FP-6130-21-5812	1		Oil Pan Gasket	

Kit Number: FP-IFK-S4D105B

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK312112	4		Cylinder Kit Complete	Eng Ser No. 100028 to 149999
FP-LK72110	4		Cylinder Kit Complete	Eng Ser No. 150001-Up
FP-6138-31-3040	4	Std.	Rod Bearing Pair	
FP-6138-39-3040	4	.25MM	Rod Bearing Pair	
FP-6138-38-3040	4	.50MM	Rod Bearing Pair	
FP-6138-37-3040	4	.75MM	Rod Bearing Pair	
FP-6138-36-3040	4	1.00MM	Rod Bearing Pair	
FP-6136-21-8010	3	Std.	Flanged Main Bearing	
FP-6136-29-8010	2	.25MM	Flanged Main Bearing	
FP-6136-28-8010	1	.50MM	Flanged Main Bearing	
FP-6136-27-8010	1	.75MM	Flanged Main Bearing	
FP-6136-26-8010	1	1.00MM	Flanged Main Bearing	
FP-6134-21-8050	1	Std.	Thrust Washer	
FP-6134-29-8050	1	.25MM	Thrust Washer	
FP-6134-28-8050	1	.50MM	Thrust Washer	
FP-6134-27-8050	1	.75MM	Thrust Washer	
FP-6134-26-8050	1	1.00MM	Thrust Washer	
FP-6135-K1-9901	1		Head Gasket Set	
FP-6134-21-5830	1		Oil Pan Gasket	





Kit Number: FP-IFK-6D105

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK62112	6		Cylinder Kit Complete	1F, 1M-P, 1P, Eng Ser No. 15149 to 49999
FP-LK322110	6		Cylinder Kit Complete	1F, 1M-P, 1P, 1U, 1Z, 1BB, Eng Ser No. 50001-Up
FP-6138-31-3040	6	Std.	Rod Bearing Pair	
FP-6138-39-3040	6	.25MM	Rod Bearing Pair	
FP-6138-38-3040	6	.50MM	Rod Bearing Pair	
FP-6138-37-3040	6	.75MM	Rod Bearing Pair	
FP-6138-36-3040	6	1.00MM	Rod Bearing Pair	
FP-6136-21-8010	7	Std.	Flanged Main Bearing	
FP-6136-29-8010	7	.25MM	Flanged Main Bearing	
FP-6136-28-8010	7	.50MM	Flanged Main Bearing	
FP-6136-27-8010	7	.75MM	Flanged Main Bearing	
FP-6136-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6134-21-8050	1	Std.	Thrust Washer	
FP-6134-29-8050	1	.25MM	Thrust Washer	
FP-6134-28-8050	1	.50MM	Thrust Washer	
FP-6134-27-8050	1	.75MM	Thrust Washer	
FP-6134-26-8050	1	1.00MM	Thrust Washer	
FP-6136-K1-9901	1		Head Gasket Set	
FP-6136-21-5821	1		Oil Pan Gasket	

				Kit Number: FP-IFK-S6D105
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK72110	6		Cylinder Kit Complete	1F, 1G Eng Ser No. 50001-Up
FP-LK312112	6		Cylinder Kit Complete	1F, 1G Eng Ser No. 12124 to 49999
FP-LK322130	6		Cylinder Kit Complete	Build 1 Grader; 1KK, 1NN, 1PP, 1YY, 1ZZ; All Wheel Loaders
FP-LK372110	6		Cylinder Kit Complete	1B, 1Z, 1V V, B-1A
FP-6138-31-3040	6	Std.	Rod Bearing Pair	
FP-6138-39-3040	6	.25MM	Rod Bearing Pair	
FP-6138-38-3040	6	.50MM	Rod Bearing Pair	
FP-6138-37-3040	6	.75MM	Rod Bearing Pair	
FP-6138-36-3040	6	1.00MM	Rod Bearing Pair	
FP-6136-21-8010	7	Std.	Flanged Main Bearing	
FP-6136-29-8010	7	.25MM	Flanged Main Bearing	
FP-6136-28-8010	7	.50MM	Flanged Main Bearing	
FP-6136-27-8010	7	.75MM	Flanged Main Bearing	
FP-6136-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6134-21-8050	1	Std.	Thrust Washer	
FP-6134-29-8050	1	.25MM	Thrust Washer	
FP-6134-28-8050	1	.50MM	Thrust Washer	
FP-6134-27-8050	1	.75MM	Thrust Washer	
FP-6134-26-8050	1	1.00MM	Thrust Washer	
FP-6137-K1-9901	1		Head Gasket Set	
FP-6136-21-5821	1		Oil Pan Gasket	



Kit Number: FP-IFK-S6D114

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-1295692H91	6		Cylinder Kit Complete	Build 1 Eng Ser No. 44706125
FP-1295706H91	6		Cylinder Kit Complete	Build 1 Eng Ser No. 44706126-Up
FP-6742-01-2750	12	Std.	Single Rod Bearing	
FP-6742-01-2810	12	.25MM	Single Rod Bearing	
FP-6742-01-2820	12	.50MM	Single Rod Bearing	
FP-6742-01-2830	12	.75MM	Single Rod Bearing	
FP-6742-01-2840	12	1.00MM	Single Rod Bearing	
FP-6742-01-5199	1	Std.	Main Bearing Set	
FP-6742-01-5233	1	.25MM	Main Bearing Set	
FP-6742-01-5240	1	.50MM	Main Bearing Set	
FP-6742-01-5287	1	.75MM	Main Bearing Set	
FP-6742-01-5288	1	1.00MM	Main Bearing Set	
FP-6742-01-4280	1		Head Gasket Set	
FP-6742-01-5308	1		Oil Pan Gasket	

Kit Number: FP-IFK-SA6D114

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK6742	6		Cylinder Kit Complete	All Exc. 1AA Eng Ser No. 21271827-Up
FP-6742-01-5069	6		Cylinder Kit Complete	1AA Eng Ser No. 21271827-Up
FP-6742-01-2750	12	Std.	Single Rod Bearing	
FP-6742-01-2810	12	.25MM	Single Rod Bearing	
FP-6742-01-2820	12	.50MM	Single Rod Bearing	
FP-6742-01-2830	12	.75MM	Single Rod Bearing	
FP-6742-01-2840	12	1.00MM	Single Rod Bearing	
FP-6742-01-5199	1	Std.	Main Bearing Set	
FP-6742-01-5233	1	.25MM	Main Bearing Set	
FP-6742-01-5240	1	.50MM	Main Bearing Set	
FP-6742-01-5287	1	.75MM	Main Bearing Set	
FP-6742-01-5288	1	1.00MM	Main Bearing Set	
FP-6742-01-4280	1		Head Gasket Set	
FP-6742-01-5308	1		Oil Pan Gasket	



FP-6742-01-5288

FP-6742-01-4280 FP-6742-01-5308 1

1

1

1.00MM

Komatsu In-Frame Engine Kits

Kit Number: FP-IFK-SAA6D11	Kit	Number:	FP-IFK-S	AA6D114
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Kit Number: FP-IFK-S6D114E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK5159	6		Cylinder Kit Complete	
FP-6742-01-2750	12	Std.	Single Rod Bearing	
FP-6742-01-2810	12	.25MM	Single Rod Bearing	
FP-6742-01-2820	12	.50MM	Single Rod Bearing	
FP-6742-01-2830	12	.75MM	Single Rod Bearing	
FP-6742-01-2840	12	1.00MM	Single Rod Bearing	
FP-6742-01-5199	1	Std.	Main Bearing Set	
FP-6742-01-5233	1	.25MM	Main Bearing Set	
FP-6742-01-5240	1	.50MM	Main Bearing Set	
FP-6742-01-5287	1	.75MM	Main Bearing Set	
FP-6742-01-5288	1	1.00MM	Main Bearing Set	
FP-6742-01-4280	1		Head Gasket Set	
FP-6742-01-5308	1		Oil Pan Gasket	

COMPONENT NO. QTY. **PART SIZE** PART DESCRIPTION PART APPLICATION FP-1307230H91 6 Cylinder Kit Complete 12 FP-6742-01-2750 Std. Single Rod Bearing FP-6742-01-2810 12 .25MM Single Rod Bearing FP-6742-01-2820 12 .50MM Single Rod Bearing FP-6742-01-2830 12 .75MM Single Rod Bearing FP-6742-01-2840 1.00MM Single Rod Bearing 12 FP-6742-01-5199 1 Std. Main Bearing Set FP-6742-01-5233 1 .25MM Main Bearing Set FP-6742-01-5240 1 .50MM Main Bearing Set FP-6742-01-5287 1 .75MM Main Bearing Set

Main Bearing Set

Head Gasket Set

Oil Pan Gasket



Kit Number: FP-IFK-SA6D114E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-1307230H91	6		Cylinder Kit Complete	Build 1, 1A, 1A-KU
FP-LK5159	6		Cylinder Kit Complete	Build 1-GD
FP-6742-01-2750	12	Std.	Single Rod Bearing	
FP-6742-01-2810	12	.25MM	Single Rod Bearing	
FP-6742-01-2820	12	.50MM	Single Rod Bearing	
FP-6742-01-2830	12	.75MM	Single Rod Bearing	
FP-6742-01-2840	12	1.00MM	Single Rod Bearing	
FP-6742-01-5199	1	Std.	Main Bearing Set	
FP-6742-01-5233	1	.25MM	Main Bearing Set	
FP-6742-01-5240	1	.50MM	Main Bearing Set	
FP-6742-01-5287	1	.75MM	Main Bearing Set	
FP-6742-01-5288	1	1.00MM	Main Bearing Set	
FP-6742-01-4280	1		Head Gasket Set	
FP-6742-01-5308	1		Oil Pan Gasket	

Kit Number: FP-IFK-SAA6D114E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-1307230H91	6		Cylinder Kit Complete	Wheel Loader Build 1 Up to Eng Ser No. 21301476
FP-LK6743	6		Cylinder Kit Complete	Excavator, Wheel Loader Build 2, 2B-A Eng Ser No. 26800003-Up
FP-6742-01-2750	12	Std.	Single Rod Bearing	
FP-6742-01-2810	12	.25MM	Single Rod Bearing	
FP-6742-01-2820	12	.50MM	Single Rod Bearing	
FP-6742-01-2830	12	.75MM	Single Rod Bearing	
FP-6742-01-2840	12	1.00MM	Single Rod Bearing	
FP-6742-01-5199	1	Std.	Main Bearing Set	
FP-6742-01-5233	1	.25MM	Main Bearing Set	
FP-6742-01-5240	1	.50MM	Main Bearing Set	
FP-6742-01-5287	1	.75MM	Main Bearing Set	
FP-6742-01-5288	1	1.00MM	Main Bearing Set	
FP-6742-01-4280	1		Head Gasket Set	
FP-6742-01-5308	1		Oil Pan Gasket	





Kit Number: FP-IFK-6D125

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK502112	6		Cylinder Kit Complete	
FP-6150-31-3040	6	Std.	Rod Bearing Pair	
FP-6150-39-3040	6	.25MM	Rod Bearing Pair	
FP-6150-38-3040	6	.50MM	Rod Bearing Pair	
FP-6150-37-3040	6	.75MM	Rod Bearing Pair	
FP-6150-36-3040	6	1.00MM	Rod Bearing Pair	
FP-6150-21-8010	7	Std.	Flanged Main Bearing	
FP-6150-29-8010	7	.25MM	Flanged Main Bearing	
FP-6150-28-8010	7	.50MM	Flanged Main Bearing	
FP-6150-27-8010	7	.75MM	Flanged Main Bearing	
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6150-21-8050	1	Std.	Thrust Washer	
FP-6150-29-8050	1	.25MM	Thrust Washer	
FP-6150-28-8050	1	.50MM	Thrust Washer	
FP-6150-27-8050	1	.75MM	Thrust Washer	
FP-6150-26-8050	1	1.00MM	Thrust Washer	
FP-6150-K1-9901	1		Head Gasket Set	
FP-6150-21-5812	1		Oil Pan Gasket	



Kit Number: FP-IFK-S6D125

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK512150	6		Cylinder Kit Complete	1E Eng Ser No. 23193-Up; 1AG Eng Ser No. 51975-Up; 1FF Eng Ser No. 24781-Up Dozers
FP-LK512171	6		Cylinder Kit Complete	1S Eng Ser No. 23689-Up; 1CC Eng Ser No. 22313-Up; 1CC-C Eng Ser No. 22313-Up; 1GG Eng Ser No. 25851-Up
FP-LK512710	6		Cylinder Kit Complete	1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR, 1E Eng Ser No. 10006 to 23192; 1F Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323 to 48087; All Wheel Loaders
FP-6150-31-3040	6	Std.	Rod Bearing Pair	Exc. 1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AF Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6150-39-3040	6	.25MM	Rod Bearing Pair	Exc. 1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6150-38-3040	6	.50MM	Rod Bearing Pair	Exc. 1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6150-37-3040	6	.75MM	Rod Bearing Pair	Exc. 1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6150-36-3040	6	1.00MM	Rod Bearing Pair	Exc. 1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6151-31-3040	6	Std.	Rod Bearing Pair	1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6151-39-3040	5	.25MM	Rod Bearing Pair	1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6151-38-3040	6	.50MM	Rod Bearing Pair	1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6151-37-3040	6	.75MM	Rod Bearing Pair	1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders
FP-6151-36-3040	6	1.00MM	Rod Bearing Pair	1B8 Eng Ser No. 22230-Up; 1C Eng Ser No. 10001-Up; 1D-AR Eng Ser No. 10001-Up; 1R Eng Ser No. 16790-Up; 1S Eng Ser No. 13137 to 23688; 1T Eng Ser No. 13444-Up; 1EE Eng Ser No. 10001-Up; 1V V Eng Ser No. 35323-Up; All Wheel Loaders





Kit Number: FP-IFK-S6D125 (CONT'D)

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-6150-21-8010	7	Std.	Flanged Main Bearing	
FP-6150-29-8010	7	.25MM	Flanged Main Bearing	
FP-6150-28-8010	7	.50MM	Flanged Main Bearing	
FP-6150-27-8010	7	.75MM	Flanged Main Bearing	
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6150-21-8050	1	Std.	Thrust Washer	
FP-6150-29-8050	1	.25MM	Thrust Washer	
FP-6150-28-8050	1	.50MM	Thrust Washer	
FP-6150-27-8050	1	.75MM	Thrust Washer	
FP-6150-26-8050	1	1.00MM	Thrust Washer	
FP-6151-K1-9901	1		Head Gasket Set	
FP-6150-21-5812	1		Oil Pan Gasket	

Kit Number: FP-IFK-SA6D125

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK522113	6		Cylinder Kit Complete	
FP-6151-31-3040	6	Std.	Rod Bearing Pair	
FP-6151-39-3040	6	.25MM	Rod Bearing Pair	
FP-6151-38-3040	6	.50MM	Rod Bearing Pair	
FP-6151-37-3040	6	.75MM	Rod Bearing Pair	
FP-6151-36-3040	6	1.00MM	Rod Bearing Pair	
FP-6150-21-8010	7	Std.	Flanged Main Bearing	
FP-6150-29-8010	7	.25MM	Flanged Main Bearing	
FP-6150-28-8010	7	.50MM	Flanged Main Bearing	
FP-6150-27-8010	7	.75MM	Flanged Main Bearing	
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6150-21-8050	1	Std.	Thrust Washer	
FP-6150-29-8050	1	.25MM	Thrust Washer	
FP-6150-28-8050	1	.50MM	Thrust Washer	
FP-6150-27-8050	1	.75MM	Thrust Washer	
FP-6150-26-8050	1	1.00MM	Thrust Washer	
FP-6152-K1-9901	1		Head Gasket Set	
FP-6150-21-5812	1		Oil Pan Gasket	





Kit Number: FP-	Kit Number: FP-IFK-6D125E					
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION		
FP-LK502110	6		Cylinder Kit Complete	Dozer		
FP-LK522510	6		Cylinder Kit Complete	Excavator		
FP-6151-31-3040	6	Std.	Rod Bearing Pair			
FP-6151-39-3040	6	.25MM	Rod Bearing Pair			
FP-6151-38-3040	6	.50MM	Rod Bearing Pair			
FP-6151-37-3040	6	.75MM	Rod Bearing Pair			
FP-6151-36-3040	6	1.00MM	Rod Bearing Pair			
FP-6150-21-8010	7	Std.	Flanged Main Bearing			
FP-6150-29-8010	7	.25MM	Flanged Main Bearing			
FP-6150-28-8010	7	.50MM	Flanged Main Bearing			
FP-6150-27-8010	7	.75MM	Flanged Main Bearing			
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing			
FP-6150-21-8050	1	Std.	Thrust Washer			
FP-6150-29-8050	1	.25MM	Thrust Washer			
FP-6150-28-8050	1	.50MM	Thrust Washer			
FP-6150-27-8050	1	.75MM	Thrust Washer			
FP-6150-26-8050	1	1.00MM	Thrust Washer			
FP-6153-K1-9900	1		Head Gasket Set	Dozer		
FP-6154-K1-9900	1		Head Gasket Set	Excavator		
FP-6150-21-5812	1		Oil Pan Gasket			





Kit Number: FP-IFK-S6D125E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK512110	6		Cylinder Kit Complete	2A, 2J
FP-LK522510	6		Cylinder Kit Complete	2; D87E-2, P-2; 2E, 2F, 2C
FP-6150-31-3040	6	Std.	Rod Bearing Pair	2; D87E-2, 2A, 2J
FP-6150-39-3040	6	.25MM	Rod Bearing Pair	2; D87E-2, 2A, 2J
FP-6150-38-3040	6	.50MM	Rod Bearing Pair	2; D87E-2, 2A, 2J
FP-6150-37-3040	6	.75MM	Rod Bearing Pair	2; D87E-2, 2A, 2J
FP-6150-36-3040	6	1.00MM	Rod Bearing Pair	2; D87E-2, 2A, 2J
FP-6151-31-3040	6	Std.	Rod Bearing Pair	2; D87P-2; 2E, 2F, 2C
FP-6151-39-3040	6	.25MM	Rod Bearing Pair	2; D87P-2; 2E, 2F, 2C
FP-6151-38-3040	6	.50MM	Rod Bearing Pair	2; D87P-2; 2E, 2F, 2C
FP-6151-37-3040	6	.75MM	Rod Bearing Pair	2; D87P-2; 2E, 2F, 2C
FP-6151-36-3040	6	1.00MM	Rod Bearing Pair	2; D87P-2; 2E, 2F, 2C
FP-6150-21-8010	7	Std.	Flanged Main Bearing	
FP-6150-29-8010	7	.25MM	Flanged Main Bearing	
FP-6150-28-8010	7	.50MM	Flanged Main Bearing	
FP-6150-27-8010	7	.75MM	Flanged Main Bearing	
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6150-21-8050	1	Std.	Thrust Washer	
FP-6150-29-8050	1	.25MM	Thrust Washer	
FP-6150-28-8050	1	.50MM	Thrust Washer	
FP-6150-27-8050	1	.75MM	Thrust Washer	
FP-6150-26-8050	1	1.00MM	Thrust Washer	
FP-6154-K1-9900	1		Head Gasket Set	
FP-6150-21-5812	1		Oil Pan Gasket	





Kit Number: FP-IFK-SA6D125E									
COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION					
FP-LK522510	6		Cylinder Kit Complete						
FP-6150-31-3040	6	Std.	Rod Bearing Pair	Build 2; Wheel Loaders					
FP-6150-39-3040	6	.25MM	Rod Bearing Pair	Build 2; Wheel Loaders					
FP-6150-38-3040	6	.50MM	Rod Bearing Pair	Build 2; Wheel Loaders					
FP-6150-37-3040	6	.75MM	Rod Bearing Pair	Build 2; Wheel Loaders					
FP-6150-36-3040	6	1.00MM	Rod Bearing Pair	Build 2; Wheel Loaders					
FP-6151-31-3040	6	Std.	Rod Bearing Pair	2A, 2A-C, 2A-KU, 2G, 3A, 3B-7					
FP-6151-39-3040	6	.25MM	Rod Bearing Pair	2A, 2A-C, 2A-KU, 2G, 3A, 3B-7					
FP-6151-38-3040	6	.50MM	Rod Bearing Pair	2A, 2A-C, 2A-KU, 2G, 3A, 3B-7					
FP-6151-37-3040	6	.75MM	Rod Bearing Pair	2A, 2A-C, 2A-KU, 2G, 3A, 3B-7					
FP-6151-36-3040	6	1.00MM	Rod Bearing Pair	2A, 2A-C, 2A-KU, 2G, 3A, 3B-7					
FP-6150-21-8010	7	Std.	Flanged Main Bearing						
FP-6150-29-8010	7	.25MM	Flanged Main Bearing						
FP-6150-28-8010	7	.50MM	Flanged Main Bearing						
FP-6150-27-8010	7	.75MM	Flanged Main Bearing						
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing						
FP-6150-21-8050	1	Std.	Thrust Washer						
FP-6150-29-8050	1	.25MM	Thrust Washer						
FP-6150-28-8050	1	.50MM	Thrust Washer						
FP-6150-27-8050	1	.75MM	Thrust Washer						
FP-6150-26-8050	1	1.00MM	Thrust Washer						
FP-6154-K1-9900	1		Head Gasket Set	2A, PC400-6, 6C, 6Z					
FP-6155-K1-9900	1		Head Gasket Set	Build 2, 2A exc. PC400-6, 6C, 6Z; 2A-C, 2A-KU, 2G					
FP-6159-K1-9900	1		Head Gasket Set	3A, 3B-7					
FP-6150-21-5812	1		Oil Pan Gasket						





Kit Number: FP-IFK-SAA6D125E

COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FP-LK522510	6		Cylinder Kit Complete	
FP-6151-31-3040	6	Std.	Rod Bearing Pair	
FP-6151-39-3040	6	.25MM	Rod Bearing Pair	
FP-6151-38-3040	6	.50MM	Rod Bearing Pair	
FP-6151-37-3040	6	.75MM	Rod Bearing Pair	
FP-6151-36-3040	6	1.00MM	Rod Bearing Pair	
FP-6150-21-8010	7	Std.	Flanged Main Bearing	
FP-6150-29-8010	7	.25MM	Flanged Main Bearing	
FP-6150-28-8010	7	.50MM	Flanged Main Bearing	
FP-6150-27-8010	7	.75MM	Flanged Main Bearing	
FP-6150-26-8010	7	1.00MM	Flanged Main Bearing	
FP-6150-21-8050	1	Std.	Thrust Washer	
FP-6150-29-8050	1	.25MM	Thrust Washer	
FP-6150-28-8050	1	.50MM	Thrust Washer	
FP-6150-27-8050	1	.75MM	Thrust Washer	
FP-6150-26-8050	1	1.00MM	Thrust Washer	
FP-6154-K1-9900	1		Head Gasket Set	2D, PC400-6-T2
FP-6155-K1-9900	1		Head Gasket Set	2D, Exc. PC400-6-t2
FP-6159-K1-9900	1		Head Gasket Set	3G-8W, All Wheel Loaders
FP-6150-21-5812	1		Oil Pan Gasket	

Kit N	umber:	FP-IF	(-S6D)	155
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COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FPLK612731-2140	6		Cylinder Kit Complete	
FP-6127-31-3042	6	Std.	Rod Bearing Pair	
FP-6127-39-3042	6	.25MM	Rod Bearing Pair	
FP-6127-38-3042	6	.50MM	Rod Bearing Pair	
FP-6127-37-3042	6	.75MM	Rod Bearing Pair	
FP-6127-36-3042	6	1.00MM	Rod Bearing Pair	
FP-6127-21-8002	1	Std.	Main Bearing Set W/Thrustwashers	;
FP-6127-21-8071	1	Std.	Main Bearing Set W/Thrustwashers	•
FP-6127-29-8071	1	.25MM	Main Bearing Set W/Thrustwashers	3
FP-6127-28-8071	1	.50MM	Main Bearing Set W/Thrustwashers	.
FP-6127-27-8071	1	.75MM	Main Bearing Set W/Thrustwashers	.
FP-6127-26-8071	1	1.00MM	Main Bearing Set W/Thrustwashers	
FP-6127-21-8051	1	Std.	Thrust Washer	
FP-6128-K1-9901	1		Head Gasket Set	
FP-6127-21-5850	1		Oil Pan Gasket	





Kit Number: FP-IFK-SA6D155
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COMPONENT NO.	QTY.	PART SIZE	PART DESCRIPTION	PART APPLICATION
FPLK612831-2140	6		Cylinder Kit Complete	.,
FP-6127-31-3042	6	Std.	Rod Bearing Pair	
FP-6127-39-3042	6	.25MM	Rod Bearing Pair	
FP-6127-38-3042	6	.50MM	Rod Bearing Pair	
FP-6127-37-3042	6	.75MM	Rod Bearing Pair	
FP-6127-36-3042	6	1.00MM	Rod Bearing Pair	
FP-6127-21-8002	1	Std.	Main Bearing Set W/Thrustwashers	
FP-6127-21-8071	1	Std.	Main Bearing Set W/Thrustwashers	
FP-6127-29-8071	1	.25MM	Main Bearing Set W/Thrustwashers	
FP-6127-28-8071	1	.50MM	Main Bearing Set W/Thrustwashers	
FP-6127-27-8071	1	.75MM	Main Bearing Set W/Thrustwashers	
FP-6127-26-8071	1	1.00MM	Main Bearing Set W/Thrustwashers	
FP-6127-21-8051	1	Std.	Thrust Washer	
FP-6128-K1-9901	1		Head Gasket Set	
FP-6127-21-5850	1		Oil Pan Gasket	





REPLACEMENT PARTS FOR KOMATSU: AVAILABLE FROM FP DIESEL

ENGINE	4D95L- 4D95S- S4D95L	S4D102- SA4D102- SAA4D102	4D105- S4D105	6D95L- S6D95L- SA6D95L- SAA6D95L	S6D102- SA6D102- SAA6D102	6D105- S6D105	S6D114- SA6D114- SAA6D114	6D125- S6D125- SA6D125- SAA6D125	S6D155- SA6D155	KT19- KTA19- KT1150	NH220	NT855	KT38- KTA38 KT230
Engine Kits	•	•	•	•	•	•	•	•	•		•	•	
Main Bearings	•	•	•	•	•	•	•	•	•	•	•	•	•
Rod Bearings	•	•	•	•	•	•	•	•	•	•	•	•	•
Cylinder Kits	•	•	•	•	•	•	•	•	•		•	•	
Liner Kits	•	•	•	•	•	•	•	•	•	•	•	•	•
Liners	•	•	•	•	•	•	•	•	•	•	•	•	•
Liner Shims										•		•	•
Piston Kits	•	•	•	•	•	•	•	•	•	•	•	•	•
Pistons	•	•	•	•	•	•	•	•	•	•	•	•	•
Ring Sets	•	•	•	•	•	•	•	•	•	•	•	•	•
Camshafts	•	•	•	•	•	•	•	•	•	•	•	•	•
Cam Bushings	•	•	•		•	•	•	•	•	•	•	•	•
Push Rods	•	•	•			-	•	•	•	•	•	•	•
Rocker Arm Parts									•	•	•	•	•
Cam Follower Parts									•	•	•	•	•
Valve Train	•	•	•	•	•	•	•	•	•	•	•	•	•
Vibration Damper									24	•			•
Gasket Sets	•	•	•	•		•							•
Crankshaft Seal	•	•	•	•	•	•			•	•		•	
Crankshaft Sleeve	•	•	•	•	•	•	•	•	•		•	•	•
Accessory Drive	•	•	•	•	•	•	•	•	•			•	
Head Bolts											•	•	
FUEL SYSTEM		I											
Fuel Pump Gaskets	•		•	•		•	•	•	•	•	•	•	•
Injectors - New	•	•	•	•	•	•	•	•	•	•	•	•	•
Injector Components										•	•	•	•
Injector Coppers											•	•	
Shutdown Solenoid										•	•	•	•
AIR SYSTEM		I											
Turbocharger Parts												•	
Aftercooler Parts										•	•	•	•
LUBE SYSTEM													
Oil Pumps	•	•	•	•	•	•	•	•				•	
Oil Cooler Cores										•	•	•	•
Oil Cooler Gaskets										•	•	•	•
Piston Cooling Nozzles												•	
COOLING SYSTEM													
Water Pumps	•	•	•	•	•	•	•	•	•		•	•	
Water Pump Kits	•	•	•	•	•	•	•	•	•	•		•	•
Water Pump Parts										•		•	•
Thermostats	•	•	•	•	•	•	•	•	•	•	•	•	•
SPECIALTY GASKET SETS												•	
Block Repair Bushings												•	
Sealant	•					•	•	•	•				•

Any high-horsepower engine,

regardless of age, represents a brutal operating environment for pistons, rings, bearings, liners and other internal components. Yet not nearly as demanding as the engine durability and performance labs at Federal-Mogul Corporation's

Advanced Technology Centers

in Brockenhurst, England; Burscheid and Nuremberg, Germany; and Ann Arbor, Michigan. As the

Global Leader in Heavy-duty Powertrain Systems,

Federal-Mogul is instrumental in the development of every new generation of gasoline and diesel engine technology. Our global research centers are pioneering the use of new materials and designs that will become tomorrow's standards. And the consistent deployment of these advanced technologies throughout our technology centers means better

PROVIDING THE LATEST TECHNOLOGIES FOR EACH ENGINE PLATFORM

Being a global manufacturer means investing in advanced technologies worldwide. On a daily basis, our engineers work to create engine and sealing solutions that address the dynamic forces found in each generation of diesel engines.

Our approach is to offer the best materials for each application. So we employ hydraulic overload analysis and thermal abuse research exceeding the requirements of todays, — and tomorrow's — most demanding applications. Thousands of hours of operation at peak horsepower and maximum torque, within the largest and most sophisticated engine dynamometers, ensure the best technologies for replacement parts for heavy-duty engine applications.

designs for replacement applications.

Advanced-design articulated and Monosteel™ pistons for on- and off-highway engines.

Space-age ring coatings to resist the corrosion and abrasion associated with EGR and other engine emissions solutions. New materials and manufacturing processes resulting in thinner, stronger cylinder liners that allow customers to maximize bore size.

When you choose FP Diesel, you receive much more than premium-quality engine parts. Each component is the product of the industry's very best ideas — powertrain technologies that won't merely survive, but thrive in today's hardest-working engines. That's the exclusive

Performance Advantage

of relying on FP Diesel – we provide all of the best technologies for each engine platform.



ENGINE SYSTEMS

